

# The CHEMIST AND DRUGGIST

RETAILER - WHOLESALE - MANUFACTURER

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

DECEMBER 12, 1942

Annual Subscription (with  
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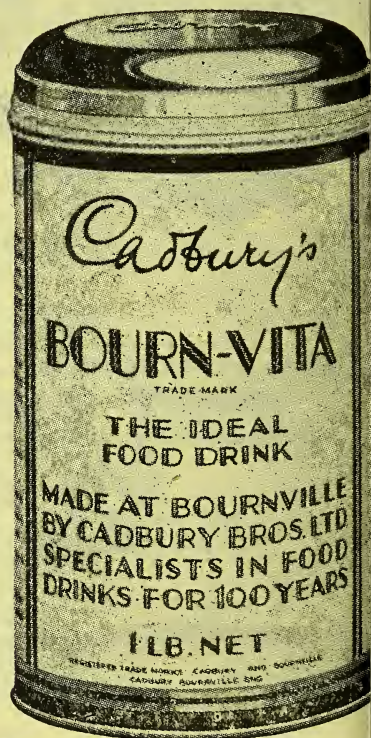
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- (6) A clean and healthy granulating sur-

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FOR FEMININE HYGIENE

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**Labels** — Owing to new regulations 6d. must be sent before we can forward sample range



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## REVISED CONTENTS OF STANDARD PARCELS

**O**WING to shortage of labour and packing materials (and in order to comply with the Government's demand for utmost economy), we have been compelled to restrict the direct supply of our four main products to pre-packed parcels only. To meet the requests of a number of our customers, we have recently revised our original parcels to the contents shown below. Retailers requiring assortments other than these can obtain from their Wholesalers.

The minimum for a direct order remains at £5, which can be made up by parcel 'A'; or by any two of parcels 'B' to 'L'; or by any one of 'B' to 'L' plus a selection of our other preparations, such as Alkia Saltrates, Bisuroids, Nemakol and Nemolin. Toilet lines may also be included to the value of your quota.

Co-operation allowances: On orders of £5.....7½%    £10.....10%

<b>A</b>	1 doz. 1/5 Bismag Powder . . . . .	12 0
	½ " 2/10 " . . . . .	12 0
	2 " 1/5 " Tablets . . . . .	1 4 0
	1 " 2/10 " . . . . .	1 4 0
	1 " 1/9 Pineate Honey Cough-Syrup . . . . .	13 9
	1 " 2/3 Limestone Phosphate . . . . .	18 0
	1 " 1/5 Freezone Corn Remover . . . . .	11 3
		<u>£5 15 0</u>
	Purchase Tax on all goods and on bonus . . . . .	1 1 1
		<u>£6 16 1</u>

<b>B</b>	3 doz. 1/5 Bismag Powder . . . . .	1 16 0
	1 " 2/10 " . . . . .	1 4 0
		<u>£3 0 0</u>
	Purchase tax on above and on bonus . . . . .	11 8
		<u>£3 11 8</u>

<b>C</b>	3 doz. 1/5 Bismag Tablets . . . . .	1 16 0
	1 " 2/10 " . . . . .	1 4 0
		<u>£3 0 0</u>
	Purchase Tax on above and on bonus . . . . .	11 8
		<u>£3 11 8</u>

<b>D</b>	1 doz. 1/5 Bismag Powder . . . . .	12 0
	2 " 1/5 " Tablets . . . . .	1 4 0
	1 " 2/10 " . . . . .	1 4 0
		<u>£3 0 0</u>
	Purchase Tax on above and on bonus . . . . .	11 8
		<u>£3 11 8</u>

<b>E</b>	1 doz. 1/5 Bismag Powder . . . . .	12 0
	½ " 2/10 " . . . . .	12 0
	2 " 1/5 " Tablets . . . . .	1 4 0
	½ " 2/10 " . . . . .	12 0
		<u>£3 0 0</u>
	Purchase Tax on above and on bonus . . . . .	11 8
		<u>£3 11 8</u>

<b>F</b>	1 doz. 2/10 Bismag Powder . . . . .	1 4 0
	1½ " 2/10 " Tablets . . . . .	1 16 0
		<u>£3 0 0</u>
	Purchase Tax on above and on bonus . . . . .	11 8
		<u>£3 11 8</u>

<b>G</b>	1½ doz. 1/5 Bismag Powder . . . . .	18 0
	3 " 1/5 " Tablets . . . . .	1 16 0
		<u>£2 14 0</u>
	Purchase Tax on above and on bonus . . . . .	10 6
		<u>£3 4 6</u>

<b>J</b>	2 doz. 1/5 Freezone Corn Remover . . . . .	1 2 6
	1 " 2/3 Limestone Phosphate . . . . .	18 0
	1 " 1/9 Pineate Honey Cough-Syrup . . . . .	13 9
		<u>£2 14 3</u>
	Purchase Tax . . . . .	9 0
		<u>£3 3 3</u>

<b>K</b>	4 doz. 1/9 Pineate Honey Cough-Syrup . . . . .	2 15 0
	Purchase Tax . . . . .	9 2
		<u>£3 4 2</u>

<b>L</b>	6 doz. 1/5 Freezone Corn Remover . . . . .	3 7 6
	Purchase Tax . . . . .	11 3
		<u>£3 18 9</u>

Above consumer prices include Purchase Tax

**BONUS TERMS :** 14 to the dozen on 'Bisurated' Magnesia Powder and Tablets in return for fourteen days' window display. 'Bisurated' Magnesia Powder—Bonus in Mint Powder. 'Bisurated' Magnesia Tablets—Bonus in Tablets.

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GOODS UNLESS  
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TEAT, AND VALVE

PRICE **7/** PER DOZ.

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Standard Packages of 3 doz.  
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Enquiries are invited for any of the following manufactures—

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Ribbon Gauzes  
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*Reprint of TIMES advertisement*

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Passing our office windows every morning on her way to school is a little girl who distresses us. We noticed her first about a year ago, because her right foot had a tendency to turn over. The defect has increased since then, and if it is not attended to soon, the child will be crippled for life.

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Scholl Mig. Co. Ltd. 182-204 St. John Street, London, E.C.1



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Write **CROSSKILLS' of NORWICH**

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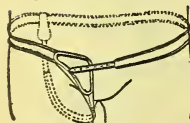


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Backed by a long-standing reputation and widespread use in Railway and Newspaper Advertising, these famous products are in greater demand than ever. Have you got stocks?  
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*An addition to Ingram's Original "AGRIPPA" SERIES*



No. 1  
'Agrippa'  
shape



## GREEN BAND TEAT WITH A ROLLED END

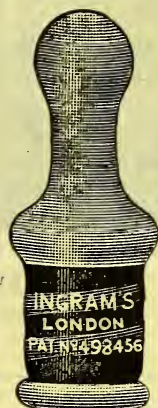
The Harder the teat is pulled the tighter it grips.

Fits on practically all feeding bottles.

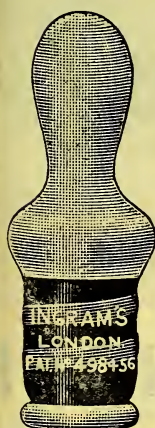
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'Cherry Top'  
shape



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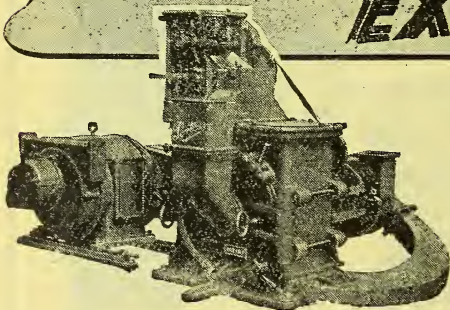
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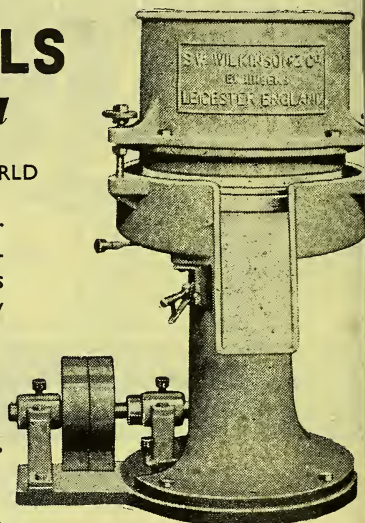
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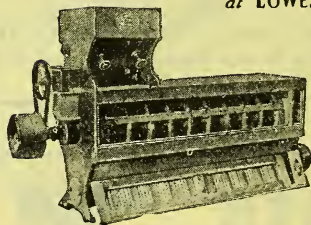
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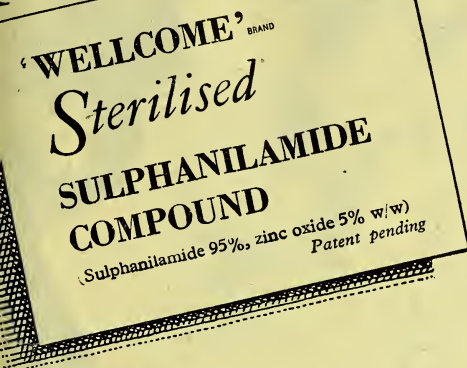
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## NEWS OF THE WEEK

**Trade Register.**—The revised Home Register of manufacturers, whole- and mercantile agents registered under the Limitation of Supplies (Miscellaneous) (No. 16) Order, 1942, has now been issued, and can be purchased from H.M. Stationery Office or through any bookseller. (5s. net.)

**Saccharin Order.**—The Ministry of Health has made a new Saccharin (Control Maximum Prices) Order (S. R. & O., No. 2455) the effect of which will be to require full-strength and half-strength saccharin tablets by a standard tablet. The "standard saccharin tablet" is defined in the Order as "a tablet which weighs not more than 0.18 of a grain, and contains not more than 0.18 of a grain of water-insoluble saccharin and not less than 0.18 of a grain of saccharin with sufficient sodium bicarbonate to make the saccharin soluble with or without excipients, or an equivalent amount of

soluble saccharin with the addition of sodium bicarbonate or other excipients. Prices of the new standard saccharin tablets are as follows:—

On any sale other than a sale by retail	On a sale by retail
7s. per 12 packets each containing 100 tablets	10s. per packet containing 100 tablets
5s. per 1,000 tablets (when sold otherwise than in packets each containing 100 tablets)	

The new tablets will be on sale to the public after December 31, and the sale of full-strength and half-strength tablets will be prohibited after January 31, 1943. It is stated that the purpose of the Order is to make more saccharin available to replace sugar in the manufacture of certain articles of food and drink without reducing the quantity of tablets available to the public.

**Joint Council of Scientists.**—A Joint Council of Professional Scientists has been set up to speak for chemists and physicists on matters of public interest; to provide a liaison between various groups of scientists; and to concern itself with the best methods by which the community can make use of scientists, with education in science, employment, professional standards, supply of information, etc. The chairman is Sir Robert Pickard and the secretary is Dr. H. R. Lang.

**Plymouth Traders' Association Formed.**—On the proposition of Mr. C. J. Yeates (D. Yeates, Ltd., chemists, Devonport), a meeting of traders in Plymouth decided on December 2 to form a Plymouth and District Private Traders' Association. A number of the existing trade associations in the city are expected to affiliate to the new body. Mr. Yeates said he would like to see a petition sent to Parliament asking that for every 100 small traders put out of business one big firm be also extinguished. In that way the small people would keep themselves from being engulfed. The Association may become affiliated to the National Association of Small Shopkeepers.

**Gelatin and Gelatin Products.**—The Minister of Food has made an Order under the Manufactured and Pre-packed Foods (Control) Order, appointing days on which the licensing provisions of that Order shall apply to the pre-packing of gelatin, isinglass and agar, and to the manufacture and pre-packing of gelatin products. The object of the Order is to fix dates as stated below from which the prohibition of the manufacture and sale of table jellies and similar products will come into effect. It also prohibits, except under licence, the pre-packing of gelatin. The prohibition of the manufacture of gelatin products, except under licence, takes effect on December 31, but such products may continue to be sold until March 31, 1943. The Order does not apply to products listed in the second schedule of the principal Order, for example, products containing meat, or to sugar confectionery, or to products licensed under one or other of the orders set out in the fourth schedule to the principal Order. For the purposes of the Order, "gelatin product" includes any product containing gelatin, isinglass or agar, and one or more of the following: Sugar, glucose, saccharin or any other sweetening agent, starch, citric acid, tartaric acid, flavouring, gum, arrowroot, or flour or any other cereal product. Returns which manufacturers

have to make under the Manufactured and Pre-packed Foods (Control) Order will be treated as applications for licences under this Order, and there is no occasion for manufacturers to take any further action. They will be advised within a few days to whether a licence will or will not be granted with respect to their own speciality or products.

**Chelsea Pharmacy School Dinner.**—A farewell dinner on the occasion of the departure of Mr. Bateson to take up appointment as head of the department of pharmacy, Birmingham Technical College, is to be held on December 22. The dinner will be informal. Old students and others wishing to attend should get in touch as soon as possible with Mr. W. D. Calverley (secretary, Pharmacy Association, Chelsea Polytechnic), Manresa Road, Chelsea, S.W.3.

**Nottingham Resolution on Protection of Pharmacy.**—At a meeting of the Nottingham Branch of the Pharmaceutical Society on December 3, Mr. G. E. Trease, B.Pharm., M.P.S., presiding, the following resolution, which was proposed by J. H. TOMLINSON, and seconded by J. R. BALL, was passed after considerable discussion: "That until such time as the Pharmacy Board is constituted to control pharmacy in all its aspects, it is desirable that the protection of its interests should be vested in a committee elected from the Pharmaceutical Society's Council, N.P.U. Executive, the Company Chemists' Association, the Co-operative Societies' Association, and non-proprietor pharmacists."

**Recovery of Medicine Bottles.**—The Vague and Recovery Branch of the Ministry of Supply is launching a campaign for the recovery of all standard medicine bottles

**PLEASE BRING BACK YOUR EMPTY MEDICINE BOTTLES**

returned to the chemist, dispensary or pharmacist from whence they were obtained so that they can be used again. This scheme has been given full co-operation of interested associations. Small window strips (as illustrated) will be distributed during the coming week. Any chemist who does not receive a copy by the end of December should apply to the Ministry of Supply (Room 619), Bell Busby Court (S.E. Wing), Glentworth Street, Marylebone Road, London, N.W.1.



## EMPIRE AND FOREIGN NEWS

**Australian Digitalis.**—An announcement at they have organised production of digitalis adequate to all Australian requirements has been made by Elliotts & Australian Drug Proprietary, Ltd. Rapid progress has also been made in the extraction of the glycosides.

**Czech Chemical Works Germanised.**—By the introduction of new capital to the extent three and a half times the former capitalisation, two German concerns have taken over the development of Aussiger Verein, a large Czech chemical concern. The German companies are I. G. Farbenindustrie and Chemische Fabriken von Heyden A.G.

**Reduced Shop Hours in Cape Town.**—Under new regulations in force in the Cape Town municipal area no pharmacy may open before 8 a.m. and all must close at 5 p.m. from Mondays to Thursdays, 7 p.m. on Fridays, and 1 p.m. on Saturdays. This represents a reduction of thirty minutes in the daily hours of business. The new

hours do not affect chemists' business on Sundays and public holidays, when shops can be opened solely for the dispensing of medicines on doctors' prescriptions.

**Drug Shortage in Germany.**—According to the United States journal "Chemical and Engineering News," ration cards are now necessary for insulin supplies in Germany. Pharmacists are required to apply to the authorities for other drugs in short supply. An increased demand for vitamin products has followed diet changes, and these preparations are now supplied only on prescription. The use of barbituric drugs, which is not subject to the same regulation as in this country, is stated to have expanded to the extent of "uncontrolled quantities bordering on mania." Many pharmaceutical products not at present in short supply have been placed under control as a precautionary measure, and the manufacture of medicinal products has been curtailed in favour of armaments manufacture.

## CHEMISTS' FRIENDS ASSOCIATION

A MEETING of the Chemists' Friends Council was held in London on November 25, the President (Mr. J. Hearle) in the chair. THE SECRETARY reported he had been in communication with the Blackburn Branch of the National Pharmaceutical Union regarding a reported agreement between that branch and the local Confectioners' Association to prevent overlapping of trade interests. The report transpired to be premature, and an assurance was given that the interests of C.F. manufacturers marketing pharmaceutical confectionery in that area would be safeguarded. A report of the C.F. standards subcommittee was received and approved.

### List Changes

Six applications from manufacturers for inclusion in the Chemists' Friends list were considered, and the following were accepted: *Episeps, Ltd.* (Episeps throat tablets); *Episeps & Co., Ltd.* (Full range of special prescription packs of proprietary medicinal preparations including Dellipsoids Nos. 1 & 2a); *E.N.T. Manufacturing Co., Ltd.* (E.N.T. nerve capsules). The remaining three applications were deferred for consideration at a later meeting. *British Seltzer (1942), Ltd.*, whose application for inclusion of their product Vola Seltzer

tablets in the C.F. List had been accepted at the last meeting of the C.F. Council, submitted revised trade terms, which were accepted. Applications for additions to the schedules of existing C.F. Agreements were received and approved from *H. & T. Kirby & Co., Ltd.* (sulphur and yeast tablets); and *Wright, Layman & Umney, Ltd.*, Blacfrutex cough linctus. Two applications from wholesalers for inclusion as approved distributors by wholesale of C.F. goods were not accepted. An application by *Na-ki-dal, Ltd.*, for removal of their name from the C.F. list owing to inability to manufacture their product during war-time was approved.

### Rules and Reports

The Council authorised an amendment to the Association's rules to provide for administering the proposed new retailers' conditions of supply of C.F. goods. Copies of the annual report of the Council for the year ended September 30, the agenda of the annual meeting of C.F. manufacturers, and a new prospectus of the C.F. Association were received. Eleven applications for maintenance of supplies of C.F. goods to businesses temporarily converted into drug stores were approved. MR. J. E. BLACKWELL proposed a vote of thanks to the president for assistance to the Council.

# TOPICAL REFLECTIONS

## Evening Dispensing

The rotas in operation for several years past in areas where the volume of National Health Insurance dispensing is considerable are not, it appears from your editorial article on pp. 582-83, everywhere approved by local authorities. The matter has an added importance on account of the war-time blackout that turns towns into villages so far as traffic is concerned. I think it is fair to say that N.H.I. patients are more exacting in this, as in other, respects than private patients—that they are determined to obtain nine-pennyworth of value for their fourpence. In one instance that you mention, a tender-hearted committee seems to be apprehensive of suffering on the part of this public in the event of rotas being established. The topographical factor counts for something in making after-closing arrangements. In a relatively compact city like Bath there is no hardship involved in asking patients to proceed to the next pharmacy, or the next but one, in order to obtain medicine after closing hours. In a widely spreading centre of population like the principal cities of the North and the Midlands, distances between shops may be considerable, and the arrangement of rotas calls for careful planning. Your remarks on the dispensing situation at Walsall will no doubt be read with care by the Executive of the National Pharmaceutical Union. I venture to reinforce your comment by suggesting that short hours of business are not the be-all and the end-all of a pharmacist's life. Admittedly there are routine duties to be attended to after closing time in the average pharmacy; but there also arise occasions when urgent dispensing is required during evening hours. Collective local advertising might well include some attempt to educate this public into a give-and-take frame of mind.

## Post-graduate Courses

On p. 568 you report the arrangement of post-graduate courses in two of our principal cities, Manchester and Birmingham. The details given indicate the value of the proposed instruction to those whose quota of science is not as up to date as they would desire. How many of us with a qualification dating back thirty, forty or fifty years can say, for instance, that we are familiar with the contents of the Appendices to the British Pharmacopoeia, or alternatively, that our sources of information are so

complete that we can ignore these pages? Not long ago a friend asked me a question about viscosity. Happily I was able to refer him to data from which he would gather much. Such examples could be multiplied. In chemistry, physics, biology, biochemistry there are problems the answer to which, even if provisionally, is to be found in recent research. Hence the need for courses like those referred to, and wish them full success.

## Newton

We need have no hesitation, in spite of Sir John Squire's amusing parody of Pope's well-known couplet, in placing Isaac Newton, whose tercentenary you have commemorated (p. 578), at the head of a list of distinguished men of science. John, it will be remembered, suggested that the work of Einstein has inaugurated a fresh period of "night.") One can think of a few men who combined a wide range of subject with an astonishing grasp of detail. Leonardo da Vinci and Sir William Perkin, for instance; but they must take a low rank in science than Newton. A wholesome scepticism is the natural way of approach to traditions like that of the fall of an apple in Newton's garden or orchard. Happily this tradition is well attested. Writing to "The Times" of December 1907, Dr. Douglas McKie quoted a first-hand testimony. Stukeley, a contemporary of Newton, afterwards the author of a memoir of Newton, dined with him on April 15, 1704, and on that occasion was told of the incident by the great scientist as he sat in his Kensington garden. "Amidst other discourse, he told me, he was just in the same situation, as when formerly the notion of gravitation came into his mind. It was occasion'd by the fall of an apple. . . ." The writer of another letter in the same journal mentioned that the late William Whitla, of Belfast, well known in pharmaceutical circles, published a reprint of one of Newton's theological treatises. It is of interest to recall that, like Newton, Joseph Priestley had a circulation as a theologian: we have it on record that more than 30,000 copies of one of his pamphlets were distributed. When the names of many of the public men of today have become little known to the general reader as that of any Minoan or Sumerian conqueror, Isaac Newton's name will shine with undiminished lustre.

**Xrayser**



## LEGAL REPORTS

**Drugs of Goods Act.**—At Woodbridge, Suffolk, recently, Martin W. Johnson, Esq., was fined 5s. for selling a bottle of infectant above the controlled price.

**Pharmacy Act Prosecutions.**—At Liverpool on December 2, Normans Pharmacies, 10 Heyworth Street, were fined £5 for selling a medicine (blood mixture) in a container that did not bear on the container the appropriate quantitative particulars of the ingredients.

Hounslow, recently, H. M. Dunn, Ltd., Chemists, Cross Lances Road, were summoned for selling a poison in dispensed form other than under the supervision of a registered pharmacist; for not having the address clearly indicated on the label; for supplying the medicine not compounded by a registered pharmacist. Defendants pleaded guilty. It was stated in the prosecution that when an inspector of the Pharmaceutical Society called for the medicine made up according to the prescription asked if it had been compounded by a qualified chemist. Asked why the prescription had been made up, the assistant pharmacist's employer was away. It was pointed out that there were two addresses on the label, whereas only one should have been there, so that the place where the prescription was dispensed could be easily traced. The Bench imposed a fine of 40s. on each of the three summonses.

Hounslow, recently, Christopher Taylor, General store keeper, was summoned for selling a pomade and a laxative containing poison and for selling the articles in containers not properly labelled. The Bench ordered defendant to pay costs.

Lowestoft, recently, W. F. Cole & Sons, Ltd., were summoned for selling a preparation containing strychnine without the supervision of a registered pharmacist; for selling it though not authorised sellers of poisons at their Norwich Road shop; and for selling it bearing a label with more than one address without indicating at which address the poison was sold. Mr. W. F. Cole, a director, stated that formerly the shop had been a pharmacist at the premises since he had left, the company had not been able to obtain a successor. They had arranged to run the branch as a drug shop and removed every poison of a dangerous nature. The tonic in question contained only 0.0007 per cent. of strychnine. Regarding the offences as technical, the Bench imposed a fine of £1 in each of the three cases.

## INSURANCE ACT DISPENSING

**Drug Tariff.**—The November revision of the Drug Tariff includes twenty-six alterations in the prices of drugs and galenicals and new deposit rates for 10-, 12-, 20- and 40-oz. poison bottles.

**Bournemouth.**—The Insurance Committee has agreed to a general winter closing hour for chemists of 6.30 p.m. In certain suburban areas some chemists will remain open till 7 p.m., it is anticipated.

**Walsall.**—In the report published in the *C. & D.*, November 28, p. 550, the time after which no arrangements had been made for the making-up by chemists of prescriptions for workers should read 7 p.m. and not as stated. The same applies in the reference to the position at Walsall in the *C. & D.*, December 5, p. 582.

**General Council of Panel Chemists (Scotland).**—A meeting of the General Council of Panel Chemists (Scotland) was held in Edinburgh on November 11, Mr. F. W. M. Bennett in the chair. The secretary read a letter that had been sent to the Department of Health as an outcome of the previous meeting of Council. The Ulster Chemists' Association had shown an interest in the Council's attempt to obtain increased terms of remuneration, and a report of the meeting explaining the position had been sent to their secretary. A letter from the Department of Health asking whether an arrangement with the National Pharmaceutical Union, that it should be assumed for pricing purposes that a chemist had supplied the authorised alternative unless the prescriber had specially indicated that the original substance was to be supplied, might be introduced in Scotland. The secretary said he had explained the position to the Department of Health and had stated that, in Scotland, chemists would adhere to their agreement. So far as the drugs generally required were concerned, there was no scarcity. This arrangement was accepted. The question was raised as to whether, in the case of repeat prescriptions, quinine could be used, and the secretary said it was understood that, in the meantime, repeat prescriptions by a doctor were allowed. Asked whether it was permissible for a chemist to supply to a customer who had recurrent attacks of malaria, the chairman said this would be allowed only on presentation of a certificate by the patient's medical adviser.

## COMPANY NEWS

SCRIVENS, LTD. (P.C.).—Capital £100. Manufacturing chemists, druggists, dry-salters, etc. Maurice Scriven, M.P.S., and Solomon Scriven, directors. R.O.: 38 Paradise Street, Birmingham.

HOLMES, MARTIN & CO., LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in chemical products, essential oils, drugs, fertilisers, etc. Solicitors: Alfred Kerstein & Co., 3-4 Clements Inn, London, W.C.2.

ERNEST J. WRIGHT, LTD. (P.C.).—Capital £5,000. To acquire a branch of the business of chemist and optician carried on by John W. Ailsby, Ltd., at March, Cambs. Ernest J. Wright, M.P.S., 95 Elwyn Road, March, managing director.

JAY-BEE PRODUCTS (BELFAST), LTD. (P.C.).—Registered in Belfast. Capital £100. Manufacturers of and dealers in pharmaceutical and medicinal preparations, manufacturing chemists, druggists, etc. John B. McCune, M.P.S.N.I., and Mrs. Edith McCune, directors. R.O.: 195 Antrim Road, Belfast.

SOUTH AFRICAN DRUGGISTS, LTD.—In the year ended June 27, trading operations improved considerably. Profit increased by £27,616 to £164,416. From this is deducted reserve for taxation of £77,965 (against £60,817), leaving a net profit of £86,450 (£75,983). Preference dividend absorbs £22,000. Ordinary dividend £30,000 (£20,000), carrying forward £152,290 (£117,840). Current assets include stocks, £330,936 (£299,748), debtors, £415,888 (£418,292), and cash, £35,426 (£8,638). Dividend of 7½ per cent. on Ordinary shares is recommended.

IRISH PHARMACEUTICALS, LTD.—Net profit for the year ended June 30, 1942, amounted to £3,324. The chairman, at the tenth annual meeting in Dublin on November 18, said that owing to war conditions business in chemists' "own-name" goods had diminished to negligible proportions, but sales of the company's proprietaries had doubled and in some instances trebled. Stocks of materials in hand were 25 per cent. higher than a year earlier. Dividend at the rate of 6 per cent. has been declared. Mr. John J. Graham was re-elected auditor and Dr. P. J. Cassin was re-elected to the Board.

TIMOTHY WHITES & TAYLORS, LTD., and associated companies.—Trading profit of Timothy Whites & Taylors, Ltd., for the

year ended December 27, 1941, amount to £436,710, against £393,129 in 1940. Profit was £136,535. Dividend on ordinary capital is maintained at 30 per cent. for year, leaving a balance of £76,327 to be carried forward, against £75,773 brought in. Results for 1941 of four subsidiary companies were (figures for 1940 given in parentheses): TAYLORS (CASH CHEMISTS) TRUST, LTD.—Revenue, £70,934 (£63,100); income tax, £35,469 (£30,763); preference dividend, 7.415 per cent. (5.369 per cent.); deferred dividend, 9.062 per cent. (6.0 per cent.); forward, £13,695 (£13,500). TAYLORS (CASH CHEMISTS) LONDON, LTD.—Profit, £96,422 (£66,672); depreciation, £6,349 (£6,739); taxation, £62,049 (£32,049); preferred dividend, 5.544 per cent. (5.12 per cent.); deferred dividend, 6.15 per cent. (5.69 per cent.); forward, £6,270 (£6,262). TAYLORS (CASH CHEMISTS) MIDLAND, LTD.—Profit, £88,487 (£57,700); depreciation, £4,759 (£4,990); taxation, £66,400 (£33,945); ordinary dividend, 8 per cent. (same); deferred dividend, 8 per cent. (same); forward, £12,691 (£12,620). TAYLORS DRUG STORES, LTD.—Net trading profit, £156,820 (£134,820), depreciation, £10,755 (£12,800), taxation, £93,800 (£70,051); ordinary dividend, 8 per cent. (7½ per cent.), free; forward £8,276 (£8,107).

ADJUSTMENT ORDER.—Harold Percival Morris, trading as Watkins Drug Stores, Meadow Street, Weston-super-Mare. Justment Order under Liabilities (War-time Adjustment) Act, 1941, granted November 18.

Private Arrangement.—JAMES A. WILSON, M.P.S., deceased, late of 285 Duke Street, Glasgow. Creditors met recently in Glasgow. Statement of affairs showed liabilities: £1,226, made up as follows: Preference claims, £102; trade creditors, £609; private claims, £515. Assets were estimated to realise £442, or a deficiency of £784. A payment of preferential claims, estate expected to show an apparent dividend of unsecured creditors of about 6s. 8d. in the subject to expenses and costs of realisation. An offer of £300 for the business had been accepted, and that amount had been included in the assets shown in the statement of affairs. After some discussion it was resolved that the solicitor should realise the estate and distribute the proceeds *pro rata* amongst the creditors.



# C. & D. DISPENSING PRICE LIST

CHANGES in prices for December are rather more numerous than is usual in this month of the year. A few sharp reductions are among them (for example, citric acid, phenazone and phenobarbitone), but they have been largely offset by the numerous small increases in other medicaments, and the index figure is but slightly lower at 134.2 against 134.4. In December 1941 the figure was 128.3.

Cost	<i>Due allowance has been made for purchase tax where applicable</i>	Dispensing price		
<i>l. per</i>		4 oz.	1 oz.	1 dr.
25 lb.	Acidum citricum ..	s. d.	s. d.	s. d.
64 lb.	Aconitum pulveratum S.I (4)	1 0	0 4	—
68 lb.	Aloe Curaçao pulvis	4 4	1 4	0 3
40 lb.	Aloinum ..	—	6 5	0 11
8 oz.	Ammoniaci pulv. ..	—	1 4	0 3
12 oz.	Ammonii tartras ..	—	1 11	0 4
36 lb.	Anisi fructus pulv.	1 4	0 6	0 1
55 lb.	Aqua cinnamomi ..	0 8	0 2	—
61 oz.	Barbitonum R only	—	10 4	1 6
48 lb.	Calcei lactas ..	1 5	0 6	0 1
15 lb.	Calumbæ radices pulv. ..	1 10	0 7	0 1
75 oz.	Carbromalum ..	—	12 1	1 9
10 oz.	Colocynthis pulv. ..	—	1 8	0 3
13 oz.	Ext. aconiti liq. S.I (6)	—	2 1	0 4
4 oz.	Ext. bellad. liq. S.I (5)	—	3 10	0 7
4 oz.	Ext. bellad. virid., B.P.C. S.I (5)	—	3 10	0 7
4 oz.	Ext. colocynth. pulv. ..	—	5 6	0 10
3 oz.	Ext. colocynth. co.	—	2 1	0 4
4 oz.	Ext. damianæ liq.	—	2 3	0 4
2 oz.	Ext. droseræ rotund. liq. ..	—	6 10	1 0
0 oz.	Ext. gelsemii S.I (5)	—	6 4	1 0
0 lb.	Ext. gentianæ ..	7 1	2 1	0 4
0 lb.	Ext. gentianæ pulv.	7 8	2 4	0 4
5 lb.	Ext. hamamelidis liq. ..	4 2	1 3	0 3
0 oz.	Ext. pini canadens. liq. ..	—	1 8	0 3
1 oz.	Ext. thymi liq. ..	—	1 10	0 3
8 lb.	Fehling's solution No. 1 ..	1 5	0 6	0 1
5 oz.	Ferri phosphas solubile ..	—	0 9	0 2
5 oz.	Galbani pulv. ..	—	2 6	0 4
1 oz.	Guaiaci resin. pulv.	—	1 10	0 3
7 gr.	Hyoscin. hydrobrom. S.I (4)	4 5	per grain	—
7 lb.	Jalapæ pulverata ..	—	1 0	0 2
6 lb.	Inf. catechu conc.	2 3	0 9	0 2
7 lb.	Lactosum ..	1 0	0 4	0 1

Cost	<i>Due allowance has been made for purchase tax where applicable</i>	Dispensing price		
<i>d. per</i>		4 oz.	1 oz.	1 dr.
126 lb.	Lin. methyl. sal. co.	s. d.	s. d.	s. d.
99 lb.	Liq. ferri albuminat'is '23 ..	5 0	1 5	0 3
12 lb.	Liq. ferri perchloridi fortis ..	4 0	1 2	0 2
48 lb.	Liq. pancreatis ..	1 2	0 6	0 1
92 oz.	Menthol ..	1 0	0 4	0 1
60 dr.	Ol. anthem. ..	—	13 0	2 0
22 oz.	Ol. cajuputi ..	—	8 9	—
23 oz.	Ol. citronellæ ..	—	3 3	0 6
34 oz.	Ol. citronellæ ..	—	3 5	0 6
36 oz.	Ol. salviæ ..	—	5 0	0 9
30 oz.	Pancræatinum ..	—	5 3	0 9
29 oz.	Pepsinum porci ..	—	4 5	0 8
57 oz.	Phenazonum ..	—	4 3	0 8
57 oz.	Phenobarbitonum R only	—	9 2	1 4
57 oz.	Phenobarbiton. solubile R only	—	9 2	1 4
111 lb.	Pulv. cinnamomico.	4 5	1 4	0 3
29 oz.	Pulv. conf. aromat.	—	5 0	0 9
20 oz.	Safrol ..	—	2 10	0 5
57 lb.	Sal. Carol. fact. eff. pulv. ..	2 4	0 9	—
19 lb.	Sodii phosphas "feathery" ..	0 9	0 3	—
27 lb.	Sodii phosphas (tribasic) ..	1 0	0 4	—
27 lb.	Syr. rhæados ..	1 7	0 7	—
102 oz.	Theophyllina ..	—	16 3	2 4
22 oz.	Thymol ..	—	3 7	0 7
84 lb.	Tr. aconiti S.I (5)	3 4	1 0	0 2
126 lb.	Tr. aconiti fortis ..	7 0	2 1	0 4
92 lb.	Tr. bold. ..	3 7	1 1	0 2
22 oz.	Tr. castorei ..	—	1 2	0 2
57 lb.	Tr. catechu ..	2 5	0 9	0 2
13 oz.	Tr. droseræ rotund. ..	—	2 1	0 4
64 lb.	Tr. gelsemii P.I (9)	—	0 11	0 2
9 oz.	Tr. grindeliæ ..	—	1 4	0 3
108 lb.	Tr. guaiaci ammon. ..	—	1 4	0 3
132 lb.	Tr. podophylli ..	5 6	1 7	0 5
114 lb.	Tr. podophylli ammoniata ..	4 6	1 4	0 3
111 lb.	Tr. valerianæ ætherea ..	—	1 3	0 3
114 lb.	Tr. zingiberis fort.	—	1 4	0 3
38 lb.	Ung. glyc. plumb. subacet. P.I (9)	1 0	0 7	0 1
37 lb.	Veratri alb. rhiz. pulv. S.I (4)	—	0 8	—
108 lb.	Veratri virid. rhiz. pulv. S.I (4)	—	1 3	—

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D., 17 Argyle Street, Bath, Somerset.

## TRADE NOTES

**War Damage Commission.**—The address of the London, North-east, Regional Office is Bankside House, 107-12 Leadenhall Street, E.C.3, Telephone: Avenue 5691.

**Display Bonus Withdrawn.**—Thos. Christy & Co., Ltd., Old Swan House, Castle Street, Farnham, Surrey, announce that Anti-Bi-San, Ltd., have found it necessary to withdraw the existing display bonus on Anti-Bi-San after December 31.

**Saccharin Pockets.**—Alf Harrison & Sons, Ltd., Burley Road, Leeds, 4, have introduced an envelope or "pocket" to contain 100 saccharin tablets and worded to conform with the new Saccharin Order (see p. 593). They invite inquiries from chemists.

**Dhaussy Face Powder.**—Alfred Franks & Bartlett Co., Ltd., Audrey House, Ely Place, London, E.C.1, offer Dhaussy face powder in a war-time packet and boxes in three shades: Blonde, pêche and brunette. The original Dhaussy dusting powder, which has been known to the trade since 1924, is also again available in boxes complete with puff.

**"Super Shave."**—A national advertising campaign is now being launched for this brand of brushless shaving cream by the makers, the London Pharmaceutical Laboratories, Ltd., 37 Bedford Square, London, W.C.1. The product, which is soapless, is put up in attractive jars and a substantial demand is anticipated. Supplies are now available to chemists.

**Compliments of the Season.**—In announcing their Christmas greetings to chemists, Meggeson & Co., Ltd., London, S.E.16, state that while they cannot offer their former extensive range of commodities, a "chosen few" specialities are in reasonably liberal supply. These include Meggeson bismuth dyspepsia tablets and Meggeson. Both products are being or are about to be advertised widely in the Press.

**New Trade Seed Catalogue.**—Samuel Yates, Ltd., seed merchants, 75 Shudehill, Manchester, 4, have issued their catalogue for 1943. It is arranged in a tabulated form showing wholesale price, merit, crop and other helpful remarks, making for quick selection, with the various varieties given under main titles. The company's advertisement, inviting inquiries for agencies, was published in our issue of September 19.

**Sterile Sulphanilamide for Local Application.**—Wellcome brand sterilised sulpha-

nilamide compound has been introduced. Furroughs Wellcome & Co., London, N.W. for local application to wounds, burn operation cavities, etc. The product consists of finely-powdered sulphanilamide with 5 per cent. of zinc oxide, which prevents aggregation and also delays absorption from the site of application. The product is issued in bottles of 15 gm.

**Synthetic Flavouring Powders.**—Milner Coke, Ltd., manufacturing chemists, John Penn Street, Lewisham, London S.E.13, have introduced a series of synthetic concentrated flavouring powders under the general trade mark Success. The powder is intended to take the place of liquid flavouring essences and is packed in 4-dram display outers in the following flavours: Lemon, vanilla, almond, raspberry, strawberry, peach, banana, ginger, pineapple, orange. In view of the scarcity of bottled Success powders fill a present need as many users report favourably on the convenience of the powder compared with liquid essences.

### Proprietary Articles Trade Association

**Additions to Protected List.**—Knoll, Ltd. (distributors, Savory & Moore, Ltd.). For details of prices of the company's products which have been added to the P.A.T. list may be obtained on application.

**Alterations.**—J. E. Ellis, Ltd. Daisypowders, 2d. each, seven powders 1s. 1d. including tax; Daisy 7's, 8s. 6d. doz., tax 1s. 5d. doz., inclusive retail price, 1s. 1d. Daisy 24's (display cartons), 28s. 6d. doz., tax 4s. 9d. doz.; Daisy 36's (display cartons), 42s. doz., tax 7s. doz.; Daisy tablets, 5's (display boxes of eighteen 3's cartons), 39s. doz., tax 6s. 6d. doz., i.r. 3½d.; 25's, 9s. 6d. doz., tax 1s. 7d. doz. i.r.p. 1s. 3d.

**The Iglodine Co., Ltd.** Full details of prices for Iglodine products on application. **Lofthouse & Saltmer, Ltd.** Losa Disinfectol, 1-quart tins, 2s. 6d., 20s. doz. 1-gall. tins, 7s. 6d., 60s. doz. (exempt from purchase tax).

**The Last Lap.**—We are nearing the end of the year and getting close to that million tons of salvaged waste paper. Make your collection a record this month and so ensure the target total being reached.



# COMPREHENSIVE MEDICAL SERVICE FORESHADOWED

Beveridge Report (H.M. Stationery Office, 1942), published on December 2, puts forward a new scheme of social security (see also p. 7). The proposals, which are far-reaching, are based on three Assumptions, of which Assumption B deals with "comprehensive medical and rehabilitation services for the prevention and cure of disease and restoration of capacity for work, available to all members of the community." It is a logical corollary to the payment of high benefits in disability that similar efforts should be made to reduce the number of cases for which benefit is needed, and that it is the duty of the individual to co-operate in taking steps which may lead to the diagnosis of disease in its early stages.

## State and Health

The first part of Assumption B is that a comprehensive national health service will be provided for every citizen there is available for medical treatment he requires, in whatever form he requires it, domiciliary or institutional, general, specialist or consultant, and will ensure also the provision of dental, ophthalmic and surgical appliances, nursing and medical and rehabilitation after accidents. Whether or not payment towards the cost of the health service is included in the social insurance contribution, the service itself should be organised, not by the Ministry concerned with social insurance, but by Departments responsible for the health of the people and for curative and preventive as well as curative services; (ii) be provided where needed without contribution conditions in any individual

restoration of a sick person to health is a duty of the State and the sick person, prior to his consideration. The assumption made is in accord with the definition of the scope of medical service as proposed in the Interim Report of the Medical Planning Commission of the British Medical Association: "to provide a system of medical service directed towards the achievement of positive results, of the prevention of disease, and the relief of sickness; (b) to render available to individual all necessary medical services, general and specialist, and both domiciliary and institutional."

## the Report

Some of the problems of organisation of such services fall outside the scope of the Report. It is not necessary to express an opinion on questions as free choice of doctor, group medical practice, or the place of voluntary and public hospitals respectively in a national health service. It is not necessary to express an opinion on the terms of service and remuneration of doctors of various kinds, of dentists and nurses, except in so far as these terms may affect the possibility of diminishing and con-

trolling sickness and so may affect the finances of the Social Insurance Fund. Once it is accepted that the administration of medical treatment shall be lifted out of social insurance to become part of a comprehensive health service, the questions that remain for answer in this Report are, in the main, financial. Shall any part of the cost of treatment, and if so what part, be included in the compulsory insurance contribution? But, though that question is in itself financial, the answer to it may affect the organisation of the service and may therefore depend in part upon views as to organisation.

## Domiciliary Treatment

In dealing with this financial question, it is desirable to consider separately domiciliary treatment, institutional treatment, special services like dental and ophthalmic treatment, and subsidiary services such as supply of medical or surgical appliances, nursing and convalescent homes. Domiciliary treatment is now paid for by persons subject to health insurance, for themselves by compulsory contributions, for dependants either by a charge for treatment when it is given or more rarely by voluntary contribution through associations for public medical service. There is no obvious reason, apart from a desire to keep the insurance contribution as low as possible, why insured persons should be relieved of this burden wholly, in order that they may bear it as tax-payers. If importance attaches to preserving the contributory principle for cash benefit, it attaches also to contribution for medical treatment. There appears to be a case for including part of the cost of domiciliary treatment in the insurance contribution. This means that a proportion of the receipts of the Social Insurance Fund would be paid by the Fund to the health departments as a grant towards the cost of the medical service. The administration of this money would rest with the health departments. But one consequence of this suggestion has to be noted. The Report proposes a compulsory social insurance scheme without income limits. Its contributing Classes I (employed persons), II (others gainfully employed) and IV (other persons of working age), though they pay different contributions according to the cash benefits for which they insure, are not income classes; each contains rich and poor. Any contribution for medical treatment must apply to all these classes, to every-one in each of them, and must cover their dependants in Class III (housewives) and Class V (children). If a contribution for medical treatment is included in the insurance contribution, contributions will cover not 90 per cent. of the population (the present insured persons and their dependants), as is assumed in the Draft Interim Report issued by the Medical Planning Commission, but 100 per cent.

of the population. This will not, of itself, put an end to private practice. Those who have the desire and the means will be able to pay separately for private treatment, if the medical service is organised to provide that, as they may pay now for private schooling, though the public education system is available for all. But no one will be compelled to pay separately. The possible scope of private general practice will be so restricted that it may not appear worth while to preserve it. If, therefore, it is desired to preserve a substantial scope for private practice and to restrict the right to service without a charge on treatment to persons below a certain income limit, it will not be possible to include a payment for medical service in an insurance contribution which all are required to pay irrespective of income.

### Hospital Contributory Schemes

Institutional treatment is not included in the present health insurance contribution except, to a small extent, as an additional benefit. It is obtainable by any citizen in a public hospital subject to recovery of the cost, that is to say to payment according to his means, or free if he has no means. It is obtainable in a private hospital, as a rule either in virtue of previous voluntary contribution through a hospital contributory scheme or on payment according to means as agreed with the hospital almoner. The growth of hospital contributory schemes in the years just before this war has been remarkable. They are stated to cover now more than 10,000,000 wage earners and they produce more than £6,500,000 a year for the voluntary hospitals; the cost of collecting this money is put at about 6 per cent.; in London and some other parts of the country contribution to a Hospital Saving Association qualifies the contributor for free treatment either in a voluntary hospital or in a public hospital as may best suit his case. The Ministry of Labour Family Budgets in 1937-38 showed an average payment to hospital saving associations of 3½d. a week in every industrial household and 3d. a week in every agricultural household. British people are clearly ready and able to pay contributions for institutional treatment. Should a payment for this purpose be included in the compulsory insurance contribution, and be passed on as a grant from the Social Insurance Fund to the health departments towards the maintenance of the institutions? The answer to this financial question, like the answer to the similar question as to domiciliary treatment, involves problems of organisation as well as finance. If a payment for institutional treatment is included in the compulsory insurance contribution, there will be little or nothing left for which people can be asked to contribute voluntarily, and an important financial resource of the voluntary hospitals will come to an end. It will then be for the health departments to use the grant that they will receive from the Social Insurance Fund in whatever way best fits their hospital policy. If it is not included, people of limited means will have the choice, as at present, of contributing voluntarily beforehand or of paying at the time of treatment, according to means.

The main considerations relevant to the choice between these alternatives are:—

(i) The importance of securing that suitable hospital treatment is available for every citizen and that recourse to it, at the earliest moment when it becomes desirable, is not delayed by any financial consideration. From this point of view, previous contribution is the ideal, better even than free service supported by the tax-payer. People do not take what they have already paid for with delay when they need it, and they pay it more directly as contributors than as tax-payers. But it can be argued that, under the present system, people do not in practice delay taking hospital treatment when they need it; their general practitioner will advise going to hospital, as soon as it becomes necessary, and if they are not voluntary contributors they will be asked to pay according to their means. It is possible that the main practical reasons which now deter recourse to hospital after it has become desirable are not difficulties about paying for the treatment, but either (a) deficiency of accommodation or (b) unwillingness or inability to give up work or household duties in order to be treated.

(ii) Hospital policy, particularly in relation to the place of voluntary hospitals, the terms of service and pay of their staffs, and the desirability or the reverse of allowing arrangements whereby individuals, whether through membership of a voluntary association or special payment, can get choice of special hospital or special treatment in their case.

(iii) Financial policy, and particularly the question of the optimum size of the insurance contribution and of the Security Budget in relation to the ordinary budget.

### Payment for Board

A minor question in the relations of the social insurance scheme and the finance of hospitals is whether persons in receipt of disability benefit on entering an institution, should be required to make any payment towards the cost of their board as "hotel expenses." With the social benefits provided by national health insurance hitherto, this question could hardly be raised. But, if the social insurance scheme is to provide benefits in future designed to cover the food and fuel requirements of the insured person and dependants, it may appear reasonable to require while such a person is getting his food and fuel in a hospital and not in his home, that the money provided for that purpose should be directed to the hospital. The point is, perhaps of great importance to the finance of institutional treatment; a sum of (say) 10s. a week is the most that could fairly be regarded as saved in the home by the temporary absence of the insured person in hospital. But it appears equitable to make such a charge if it may be expedient to make it, if only in order to avoid making it appear profitable to the patient to stay in the hospital when he could go home.

Dental and ophthalmic treatment appliances are now overwhelmingly the most popular of the additional treatment bene-



der national health insurance. That is to say, they are being paid for in part by compulsory contributions and for the rest mainly by a large when treatment is given. There is a general demand that these services should become statutory benefits available to all under health insurance. There appears to be no sound reason for regarding a development of preservative dental treatment as a measure of major importance for improving the health of the nation. This measure involves, first, a change of popular habit from aversion to visiting the dentist till pain compels into readiness to visit to be inspected periodically; it involves, simultaneously with creation by these means of a demand for a larger dental service, the taking of steps to organise a larger supply of the service. That the insurance title to free dental service should become as universal as that to the medical service is not open to serious doubt. The only substantial distinction which seems right to make is in the supply of appliances. To ensure careful use, it is reasonable that part of the cost of renewals of dentures should be borne by the person using them. This might possibly be extended to the original supply. The same holds true of optical appliances.

### Subsidiary Benefits

Surgical appliances, convalescent homes and nursing are less widely provided as additional benefits, but are essential to a comprehensive health service. Decision as to making these subsidiary services contributory or non-contributory for the individual depends on the basis taken in regard to the major problems of domiciliary and institutional treatment. It is reasonable that insured persons should contribute something for such services, as they have shown themselves able and willing to do so in the past; in regard to appliances of all kinds, the terms of supply and renewal must be such as to give an incentive to careful use. But it would be anomalous to require compulsory contributions for special and subsidiary purposes, if the main services were non-contributory.

This review of some of the problems involved in establishing a comprehensive medical service makes clear that no final detailed proposals, even as to the financial basis of this service, can be submitted in this Report. It suggests a need for a further immediate investigation into which the finance and the organisation of medical services can be considered together, in consultation with the professions concerned and with the public and voluntary organisations which have established hospitals and other institutions. From the standpoint of social security, a health service providing full preventive and curative treatment of every kind for every citizen without exceptions, without remuneration limit and without an economic barrier at any point to delay recourse to it, is the ideal plan. It is proposed accordingly that, if the contributions suggested as part of the plan for Social Security, there shall be included payment in virtue of which every citizen will be able to obtain whatever treatment his case requires, at home or in an institution, medical,

dental or subsidiary, without a treatment charge. It is proposed that the sums derived from these payments shall be transferred to the Department or Departments concerned with the organisation of the health service to meet part—it can only be part—of the total cost. But these proposals are provisional only, subject to review in the light of the further inquiry suggested, in which organisation and finance can be dealt with together. The primary interest of the Ministry of Social Security is not in the details of the national health service or in its financial arrangements. It is in finding a health service which will diminish disease by prevention and cure, and will ensure the careful certification needed to control payment of benefit at the rates proposed in this Report.

Among organisations and individuals (other than Government Departments) who have submitted evidence are the following: British Dental Association, Diabetic Association, East Ham Insurance Committee, Guild of British Dispensing Opticians, Guild of Public Pharmacists, Incorporated Dental Society, Leicestershire Insurance Committee, Lever Brothers & Unilever, Ltd., Middlesex Insurance Committee, Ophthalmic Benefit Approved Committee, Pharmaceutical Society of Great Britain and the National Pharmaceutical Union, Sight-Testing Opticians (Organisations on the List of the Ophthalmic Benefit Approved Committee), Surrey Insurance Committee.

## COMING EVENTS

Notices for inclusion under this heading should be sent in time to reach the Editor in Bath not later than Wednesday morning of the week of insertion. Secretaries are advised to send copies of printed programmes of local activities so soon as they are completed.

### Sunday, December 13

LIVERPOOL BRANCH, CATHOLIC PHARMACEUTICAL GUILD, Cathedral Buildings, Brownlow Hill, Liverpool, at 3 p.m. Meeting.

ASSOCIATION OF PHARMACEUTICAL EMPLOYEES, Central London and North-west London sections. Meeting at 32 James Street, Oxford Street, London, W.1, at 11 a.m. East London Nos. 1 and 2 Sections meet at 52 Oakfield Road, Ilford, at 11 a.m.

### Tuesday, December 15

SOUTH-EAST METROPOLITAN BRANCH OF THE PHARMACEUTICAL SOCIETY, New Cross Inn, 323 New Cross Road, S.E., at 7.30 p.m. Mr. L. Hayward on "The Pharmaceutical Corps."

### Thursday, December 17

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 2.30 p.m. Tilden Lecture by Mr. R. P. Bell, M.A., B.Sc., on "Recent Developments in the Theory of Reaction Kinetics in Solution."

# TRADE MARKS

(From "The Trade Marks Journal,"  
November 11)

- "CALCAFIL"; for industrial chemicals (1). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 620,052.
- "CORVETTE"; for soaps and cleaning preparations (3). By Sale, Tilney & Co., Ltd., 3 Lloyds Avenue, London, E.C.3. 619,914.
- "TEMPO"; for soap (3). By Harry Green, Ltd., Ajax Works, Hertford Road, Barking, Essex. 620,075.
- "PYGMALION"; for cosmetic powder boxes (3). By Salo David Rand, 5-6 Argyll Street, Oxford Circus, London, W.1. 620,418.
- "BENEFAX"; for all goods (5). By International Chemical Co., Ltd., Braydon Road, London, N.16. B616,562.
- "SOUFLEX"; for surgical dressings, bandages, etc. (5). By J. Cowen & Sons, Ltd., Ellers Mill, Dalston, Carlisle. 619,694.
- "PAREDROLINOL"; for pharmaceutical and medicinal preparations and substances; veterinary and sanitary substances; infants' and invalids' foods; surgical and medical plasters; bandaging material; material for stopping teeth and dental wax; disinfectants. By Smith, Kline & French Laboratories, 105 North Fifth Street, Philadelphia, U.S.A. 620,221.
- "COMPLESORB"; for pharmaceutical preparations and substances, none being medicated toilet preparations (5). By The British Drug Houses, Ltd., 16-32 Graham Street, City Road, London, N.1. 620,447 (Associated).
- "MALCO"; for sterilising and disinfectant compounds (5). By G. A. C. MacLachlan, 4 Pearson Drive, Renfrew, Scotland. 620,493.
- "LILETTE"; for sanitary towels (5). By Sashena, Ltd., Paragon Works, Neptune Street, Kingston-upon-Hull. 620,495 (Associated).
- "SOLUDINE"; for pharmaceutical preparations and substances (5). By J. W. Simpson (Chemist), Ltd., 43 Museum Street, London, W.C.1. 620,521.
- "PLEXAN"; for pharmaceutical preparations of liver extracts (5). By Glaxo Laboratories, Ltd., Greenford Road, Greenford, Middlesex. 620,522.

(From "The Trade Marks Journal,"  
November 18)

- "MASTERTRACE"; for photographic chemicals and sensitised materials (1). By Photostat, Ltd., Adelaide House, King William Street, London, E.C.2. 619,375.
- "LASTRE-EX"; for cleaning and polishing preparations for glass and metals (3). By Victoria Toilet Products, 15 Chichester Street, Belfast. 619,752.
- "PLANESAN"; for industrial chemicals (other than weed killers), manures, fire extinguishing compositions, soldering preparations, and for chemicals for preserving foodstuffs (1). By May & Baker, Ltd., Dagenham, Essex. 620,065 (Associated).

- "KLEEWARE"; for thermo-plastic material (1), cosmetic powder and rouge boxes (3). By O. & M. Kleeman, Ltd., 158-62 Oxford Street, London, W.1. B619,511; B619,512 (Associated).
- "THE LITTLE CHAP"; for liquid stain-removing preparations (3). By London Pharmaceutical Laboratories, Ltd., 47 Princes Gate, London, S.W.7. 620,245.
- "KEM-A-GLINT"; for toilet preparations for the hair (3). "TAWSETT"; for toilet preparations for use in waving the hair (3). By Vine's, 222-24 Harrow Road, Paddinton, London, W.2. 620,523-24 (Associated).

## PARLIAMENTARY NEWS

### Manufacture of Medicinal Compounds.

Mr. Robert Morgan asked the Minister of Health on December 2 what steps were taken to ensure continued manufacture of medicinal compounds such as those involving the use of liver, especially in view of announcements by manufacturing firms that they can no longer be provided.

Miss Horsbrugh: I understand that liver extract is being manufactured in sufficient quantities for the purposes for which its use is permitted, that is the treatment of pernicious and other megalocytic anæmia by injections.

**Concentration of Small Firms.**—Sir Smedley Crooke asked the President of the Board of Trade on December 2 whether he was aware of the alarm of small manufacturing firms occasioned by the proposal for concentrating industries; and whether he would consider setting up appeal tribunals, consisting of members not connected with the industry, to consider the claims of small firms so as to avoid their interest being subjected to the ruling of combined and large business firms.

Mr. Dalton: While small firms—those employing twenty people or less—are encouraged to join in schemes under the concentration of industry policy, they are not compelled to do so, unless the scarcity of the raw material available makes a strict control of the whole industry necessary. I do not consider that the appointment of appeal tribunals is desirable or necessary. The approval and selection of nucleus and closing firms under the concentration of industry policy is a matter for which the Government must be responsible, but before taking such decisions it is the practice of the Board of Trade to consult the representative trade organisations.



## BIRTHS

**MMERSIDE.**—At War Memorial Hos-  
p, Insch, Aberdeenshire, on November  
Isobelle, the wife of Sergeant George  
rence Summerside, R.A.M.C., M.P.S.,  
Percy Street, West Hartlepool and  
thdoune, Whitehouse, Aberdeen, of a  
ghter, Dianne Elizabeth.

## MARRIAGES

**AYED**—O'ROURKE.—At St. Bridget's  
ch, Bagot Street, Liverpool, recently,  
ond Bishai-el-Gayed, M.P.S., Cairo,  
ot, to Betty O'Rourke (see below).

**CHRIST**—STONE.—At St. Mary's Star  
ne Sea, Leith, on November 21, James  
son Gilchrist, M.P.S., 77 Great Junction  
et, Leith, to Gladys Marjorie Stone,  
esden, London.

**DDENHAM**—SHEARN.—At St. Luke's  
ch, Bath, on December 5, Donald I.  
denham, M.P.S. (E. C. Haskins & Co.,  
nists), to Sylvia E. Shearn.

## PERSONALITIES

**OUNCILLOR A. H. ROBERTSON**, 16 Cheap-  
Lancaster (proprietor of Vince & Co.),  
e new mayor of Lancaster. For many  
s Mr. Robertson was a representative  
Parke, Davis & Co., and is well known  
he North-west of England. He is a  
-president of the Lancaster Rotary

**R. RICHARD BERTRAM PILCHER**, O.B.E.  
etary of the Institute of Chemistry) was  
e the recipient of a presentation recently  
ark fifty years of service to the Institute.  
Pilcher has been successively assistant  
etary, secretary, and registrar of the  
tute, member of council, vice-presi-  
t, and president of the Institute of  
ntered Secretaries, and for some years  
rary secretary to the Chemical Council.

**R. EDMOND B.-EL-GAYED**, M.P.S., whose  
ding is recorded above, came to this  
ntry six years ago as a student. At that  
ie a large group of students of both sexes  
e here to study medicine, pharmacy,  
commerce, architecture, welfare work,  
ics, or midwifery. Pharmacy students  
nbered some half-a-dozen. Mr. Gayed  
the first one to enter a retail pharmacy,  
ng indentured as an apprentice with Mr.  
old Lomax, and subsequently studying  
he Liverpool School of Pharmacy. He  
the first Egyptian student to qualify.  
M. Gayed's brother is qualifying as a medi-  
c practitioner at Edinburgh.

## DEATHS

**CAWKWELL.**—On November 19, Mr.  
George Adama Cawkwell, M.P.S., chemist  
and druggist, 61 Leigh Hall Road, Leigh-on-  
Sea, aged sixty-eight. Mr. Cawkwell  
qualified in 1901.

**DAVIDSON.**—At Blairgowrie, Perthshire,  
recently, Mr. Walter Davidson, chief  
partner in W. Davidson & Sons, Blair-  
gowrie and Coupar Angus. Mr. Davidson,  
who was a native of Hawick, commenced  
business in Blairgowrie in 1898. From 1903  
to 1932 he was a member of the local Town  
Council and served as Provost from 1923 to  
1929.

**HALL.**—At Kingston recently, Mr. James  
Ralph Hall, M.P.S., 94 Richmond Road,  
Kingston-on-Thames, Surrey, aged sixty-  
nine. Mr. Hall had been in Kingston for  
over forty years, first as manager and later  
as proprietor of the business in Richmond  
Road.

**McLAUGHLIN.**—At Victoria, South Aus-  
tralia, recently, Mr. James Henry  
McLaughlin, formerly of Coolmagherly,  
Newbuildings, Londonderry. Some years  
ago Mr. McLaughlin was a partner in the  
firm of McLaughlin & Allen, chemists,  
Londonderry. He was at one time a well-  
known international Rugby footballer.  
On four occasions he was "capped" for  
Ireland, and on several occasions played in  
inter-Provincial teams.

**STEWART.**—During October, while on  
military service, Lance-corporal Thomas  
Hamilton Shaw Stewart, M.P.S., 61 Trefoil  
Avenue, Shawlands, Glasgow. Mr. Stewart  
qualified in 1938. He leaves a widow and  
two children.

**STOPFORTH.**—Recently, Mr. William  
Henry Stopforth, M.P.S., 28 Chapel Street,  
Chorley, Blackburn, managing director of  
Associated Chemists (Lancashire), Ltd.,  
St. Peter Street, Blackburn, aged sixty-one.  
Mr. Stopforth had retail businesses at  
Chorley and Coppull.

**WALKER.**—On November 16, Mr. William  
Henry Walker, M.P.S., Farbock Hall Farm,  
nr. Prescot, Lancs, aged seventy-two.

**WALKER.**—Recently, Mr. James Walker;  
M.P.S., 90 The Parade, Sutton Coldfield.  
Mr. Walker, who qualified in 1886, opened  
his business in Sutton in 1897.

**WRIGHT.**—On active service, recently,  
L.A.C. Vincent Henry Wright, M.P.S.,  
formerly manager of the Watford branch  
of Timothy Whites & Taylors, Ltd. Mr.  
Wright qualified in 1934.



*John Bell* BRAND

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Official organ of The Pharmaceutical Society of Great Britain, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Scotland and of other Chemists' Societies in the Empire

VOL. CXXXVIII DECEMBER 12, 1942 NO. 3279

*The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.*

## Beveridge Report

THE plan for social security produced by Sir William Beveridge has had a good Press, but so far few comments have been forthcoming from the business community. The main feature of the plan is a scheme of insurance against interruption and destruction of earning power and for special expenditure arising at birth, marriage and death. The scheme embodies six fundamental principles: Flat rate of subsistence benefit; flat rate of contribution; unification of administrative responsibility; adequacy of benefit; comprehensiveness; and classification. Based on them and in combination with national assistance and voluntary insurance as subsidiary methods, the aim of the Plan for Social Security is to make want under any circumstances avoidable. The principal changes from present practice are—

- (1) Unification of social insurance in respect of contributions, that is to say, enabling each insured person to obtain all benefits by a single weekly contribution on a single document.
- (2) Unification of social insurance and assistance in respect of administration in a Ministry of Social Security with local Security Offices within reach of all insured persons.
- (3) Supersession of the present system of approved Societies giving unequal benefits for

equal compulsory contributions (combined with retention of Friendly Societies and Trade Unions giving sickness benefit as responsible agents for the administration of State benefit as well as voluntary benefit for their members).

(4) Supersession of the present scheme of workmen's compensation and inclusion of provision for industrial accident or disease within the unified social insurance scheme, subject to (a) a special method of meeting the cost of this provision, and (b) special pensions for prolonged disability and grants to dependants in cases of death due to such causes.

(5) Separation of medical treatment from the administration of cash benefits and the setting up of a comprehensive medical service for every citizen, covering all treatment and every form of disability under the supervision of the Health Department (see p. 601).

(6) Recognition of housewives as a distinct insurance class of occupied persons with benefits adjusted to their special needs, including (a) in all cases marriage grant, maternity grant, widowhood and separation provisions and retirement pensions; (b) if not gainfully occupied, benefit during husband's unemployment or disability; (c) if gainfully occupied, special maternity benefit in addition to grant, and lower unemployment and disability benefits, accompanied by abolition of the Anomalies Regulations for Married Women.

(7) Extension of insurance against prolonged disability to all persons gainfully occupied and of insurance for retirement pensions to all persons of working age, whether gainfully occupied or not.

(8) Provision of training benefit to facilitate change to new occupations of all persons who lose their former livelihood, whether paid or unpaid.

## Unemployment

(9) Assimilation of benefit and pension rates for unemployment, disability other than prolonged disability due to industrial accident or disease, and retirement.

(10) Assimilation of benefit conditions for unemployment and disability, including disability due to industrial accident or disease, in respect of waiting time.

(11) Assimilation of contribution conditions for unemployment and disability benefit, except where disability is due to industrial accident or disease, and revision of contribution conditions for pension.

(12) Making of unemployment benefit at full rate indefinite in duration, subject to requirement of attendance at a work or training centre after a limited period of unemployment.

(13) Making of disability benefit at full rate indefinite in duration, subject to imposition of special behaviour conditions.

(14) Making of pensions, other than industrial, conditional on retirement from work and rising in value with each year of continued contribution after the minimum age of retirement, that

is to say, after sixty-five for men and sixty for women.

(15) Amalgamation of the special schemes of unemployment insurance for agriculture, banking and finance and insurance, with the general scheme of social insurance.

(16) Abolition of the exceptions from insurance (a) of persons in particular occupations, such as civil service, local government service, police, nursing, railways, and other pensionable employments, and, in respect of unemployment insurance, private indoor domestic service; (b) of persons remunerated above £420 a year in non-manual occupations.

(17) Replacement of unconditional inadequate widows' pensions by provision suited to the varied needs of widows, including temporary widows' benefit at a special rate in all cases, training benefit when required and guardian benefit so long as there are dependent children.

(18) Inclusion of universal funeral grant in compulsory insurance.

(19) Transfer to the Ministry of Social Security of the remaining functions of local authorities in respect of public assistance, other than treatment and services of an institutional character.

(20) Transfer to the Ministry of Social Security of responsibility for the maintenance of blind persons and the framing of a new scheme for maintenance and welfare by co-operation between the Ministry, local authorities and voluntary agencies.

(21) Transfer to the Ministry of Social Security of the functions of the Assistance Board, of the work of the Customs and Excise Department in respect of non-contributory pensions, and probably of the employment service of the Ministry of Labour and National Service, in addition to unemployment insurance, and the work of other departments in connexion with the administration of cash benefits of all kinds, including workmen's compensation.

(22) Substitution for the Unemployment Insurance Statutory Committee of a Social Insurance Statutory Committee with similar but extended powers.

(23) Conversion of the business of industrial assurance into a public service under an Industrial Assurance Board.

### Three Assumptions

The plan is based on the three following assumptions, without which it is considered no satisfactory scheme of social security can be devised—

(A) Children's allowances for children

up to the age of fifteen or if in full-time education up to the age of sixteen;

(B) Comprehensive health and rehabilitation services for prevention and cure of disease and restoration of capacity for work, available to all members of the community;

(C) Maintenance of employment, i.e. avoidance of mass unemployment.

### Government Actuary's Memorandum

Appendix A of the Report is a memorandum by the Government actuary which points out that the plan considers the needs of the population in six main classes: (i) Employed persons normally working under contract of service; (ii) other gainfully occupied persons; (iii) housewives (including those who follow a gainful occupation); (iv) other persons of working age not gainfully occupied; (v) children below working age; (vi) persons who have attained pensionable age and have retired from work. The rates of contribution proposed are set out below—

WEEKLY RATES OF CONTRIBUTION

	Class I		Class II	Class III
	Insured Person	Employer		
MEN—				
Aged 21 and over ..	4s. 3d.	3s. 3d.	4s. 3d.	3s. 9d.
Between 18 and 21 ..	3s. 6d.	2s. 9d.	3s. 6d.	3s. 0d.
Between 16 and 18 ..	2s. 6d.	2s. 6d.	2s. 0d.	1s. 6d.
WOMEN—				
Aged 21 and over ..	3s. 6d.	2s. 6d.	3s. 9d.	3s. 0d.
Between 18 and 21 ..	3s. 0d.	2s. 0d.	3s. 0d.	2s. 6d.
Between 16 and 18 ..	2s. 0d.	2s. 0d.	2s. 0d.	1s. 6d.

The aggregate expenditure is estimated to be increased for the first year of the plan from £415 millions, under existing arrangements, to £697 millions. The big increase is for the children's allowances, and the improved health provisions of various kinds. The increase in cost due to improved old age pensions is small—about 20 per cent. When the plan is fully in operation—twenty years ahead—the total rises to £858 millions, pensions increasing from



portion of 18 per cent. of the total Social Security Budget to 35 per cent.

Most of the problems of organisation fall outside the scope of the Report, which explains the method of treatment of the health service and the absence of any reference to the pharmaceutical side, and in the success of solving these problems it will lie the real test of the plan. The author of the Report obviously does not anticipate any difficulties. Moreover, it

should be noted that the need for a further investigation is suggested, when the finance and the organisation of the medical services can be considered together, in consultation with the professions and others concerned, so that the Pharmaceutical Society and the National Pharmaceutical Union should lose no time in reconsidering the proposals they put forward (*C. & D.*, June 27, p. 696) and preparing any modifications that may be necessary in view of the plan outlined.

## NATIONAL PHARMACEUTICAL UNION

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4-5 Queen Square, London, W.C.1, on November 24, J. Evans in the chair. THE SECRETARY reported that a meeting of chemists interested in medical supplies to the Merchant Navy had been held at Queen Square, W. W. Atkinson, Southampton, in the chair. A small committee had been appointed to deal with the problems arising out of such business. It had been decided to ask the Minister of War Transport to give a deputation. Messrs. Hodges, Knight, Judd & Co., consulting accountants, had agreed to undertake an investigation into the costs incurred by chemists in providing an N.H.I. dispensing service.

### Shortage of Dispensing Bottles

The Ministry of Supply, in an endeavour to save fuel, labour and transport, were expected to be about to launch a scheme urging the public to return old medicine bottles to the chemist from whom they normally obtained their medicine. The scheme was to be applied to standard medicine bottles only, and not such as had contained proprietary preparations. Arrangements would be made by the Ministry for bottles suitable for further use to be collected by the local authorities. A window strip and a pictorial poster were to be issued by the Ministry in connexion with the scheme, and arrangements had been made for them to be distributed with the monthly N.P.U. supplement.

### Shortage of Cataplasma Kaolini

A letter had been sent to the Ministry of Supply about the shortage of kaolin medicine. The Ministry's reply stated that the shortage was due to demands from the police departments. It was expected,

however, that the present shortage would be only temporary.

### War Funds

THE SECRETARY reported that no claims had arisen since the last meeting of the Executive. Renewal subscriptions for the quarter commencing December 29 had been paid in respect of approximately 4,150 shops; in view of the few claims received it was agreed that the cover should be continued for a further three months following December 25 without further payment on the part of the subscribers, the position to be reviewed again in March 1943. There was no change in the position of the War Distress Fund, the total of subscriptions received being £20,029 1s. 8d. Maintenance grants each week in respect of nine cases were continuing.

### Chemists' Defence Association

Settlements were reported effected in five cases, three of which had been outstanding from the last meeting. The remaining claims were left in the hands of the secretary. Two members had been defended in respect of summonses under the Food and Drugs and Pharmacy and Poisons Acts. The latter had been dismissed, but the other member had been fined one guinea and costs.

AMERICAN CHEMICAL SOCIETY.—The 104th meeting of the Society was held from September 7 to 11. Among the subjects of papers read were: "National Survival through Science"; "Moulders of a Destiny"; "Progress of Synthetic Rubber Production"; "Progress of Butadiene Production"; "Progress of Styrene Production"; "The Outlook on the Rubber Situation"; and "The War Production Effort."

# PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

MR. W. S. HOWELLS (president) presided over the meeting of the Council of the Pharmaceutical Society held at Derby on December 2, and other members present were Mr. F. G. Wells (vice-president), Mrs. J. K. Irvine, Sir Malcolm Delevingne, Professor W. J. Dilling and Messrs. J. T. Appleton, C. Davis, W. Deacon, J. H. Franklin, H. M. Hirst, G. R. Knox Mawer, J. F. McNeal, A. R. Melhuish, L. M. Parry, P. F. Rowsell, H. C. Shaw, H. Skinner, F. C. Wilson and J. C. Young, with the secretary and Registrar (Mr. H. N. Linstead, M.P.).

## Tuesday's Session

Among the items of business transacted were the following:—

### Parliamentary Fund Committee

A committee to be called the Parliamentary Fund Committee was established to administer the newly-created Parliamentary Fund of the Society, and the following were appointed to serve on it for a period of three years: The president, the vice-president and the treasurer *ex-officio*, Messrs. Deacon, Knox Mawer, McNeal and Parry.

A letter from the Ministry of Health was received stating that from February 1, 1943, reservation will be limited to persons who qualify as pharmacy students, as at present defined in the Schedule, before attaining the age of eighteen.

## Wednesday's Proceedings

### Registration

THE REGISTRAR reported that forty-three persons had been registered during the past month as apprentices or students, and sixteen names were being restored to the Register, as were also the addresses of two sets of premises. Subject to Home Office endorsement of his police registration certificate one foreign pharmacist was to be registered as a chemist and druggist. Names of eight other foreign pharmacists would be submitted next month.

### Special Examiners

Messrs. S. L. Baker, E. J. Wayne and G. B. West (England and Wales) and J. M. Robertson (Scotland) were appointed as special examiners on the Board of Examiners for 1943.

### University Degrees

Notification was received that the Lord President of the Council had directed acceptance of an approved University degree for the purpose of registration as chemist and druggist under conditions similar to those for acceptance of a University degree for registration as a pharmaceutical chemist. This will permit recognition of the unclassified honours degree (B.Sc. in Pharmacy) of the University of Glasgow, instituted to meet conditions created by the war-time restrictions on University courses.

### Beveridge Report

Reference to the position of the profession as affected by the findings of the Beveridge Committee was made by Mr. ROWSELL in presenting the report of the Education Committee. In view of the proposed wide extension of national medical benefit he advised all pharmacists to make themselves fully conversant with the report and to keep themselves up to date pharmaceutically. To this end he hoped the refresher courses would be arranged. "It is essential," he added, "that the Education Committee should see that our men are properly trained." Mr. Rowsell also drew attention to the large amount of valuable work done by members of the Committee in visiting and inspecting hospitals and wholesale houses to determine whether they were suitable for receiving articulated pupils and affording them adequate training. The Council approved a recommendation of the Committee that for April 1943 Edinburgh, Nottingham, London and Bristol be prescribed as centres for the written examinations, and Edinburgh, Nottingham and Cardiff for the practical examination subject to the proviso that if, in the opinion of the president, the number of entries for Cardiff was insufficient to justify the holding of the practical examinations then the candidates selected to attend at that centre should be transferred to Nottingham.

### Law Committee

According to reports submitted to the Law Committee, 958 shops had been visited by inspectors and 320 by agents during the past month. Thirteen cases of infringement were dealt with, appropriate action being taken.



### Benevolent Fund

On the recommendation of the Benevolent Fund Committee it was resolved that a Christmas bonus of £5 be granted to each of sixty-one annuitants, and that the personal restoration and retention fees payable for members interned in enemy-occupied countries should be waived.

### Christmas Vacation

Directions were given that the Society's house should be closed from 4 p.m. on December 24 to 9 a.m. on December 28.

### Investments

The Finance Committee, whose report was adopted, had decided that 3½ per cent. War Stock in the supplementary staff superannuation scheme should be sold to the Benevolent Fund at a price to be approved by the chairman to a cash value of £230, and to invest in Savings three per cent. Bonds, 1960-70, £12,000, representing repayment of Leicester three per cent. Stock, 1919-44. The chairman had decided to invest £6,500 of War Aid Fund in the same Bonds.

### Organisation

From the minutes of the Organisation Committee it appeared that instructions had been given the secretary to prepare for later consideration a draft report on the revision of the statement on matters of professional conduct. Branch records having been brought back from Derbyshire to London, it was proposed to resume in the new year notification of changes of address to branch secretaries. It had been agreed: (1) To revert, for the January meeting and subsequently, to holding the evening meetings in the Society's house at 7 p.m.; refreshments being served in the Council room or library; (2) that the secretary be authorised to make such modifications in the date of the meetings as might be necessary, after consultation with the speakers to whom invitations had already been issued and accepted; (3) to invite the president to deliver the February evening meeting address on "One Hundred Years Under the Charter." Ninety members had signified their desire to be associated with a new branch for Romford and district, and the committee consented to its formation.

### War Aid

The total of the War Aid Fund at November 28 was returned at £23,568. Contributions during the month included

£140 from the Pharmaceutical Society of Rhodesia, which had earlier sent £150. The committee had allocated a further £50 for prisoner-of-war gifts, and had resolved to send parcels, on the same conditions as to members who were prisoners-of-war, to members of the Society who were interned.

### Public Services Committee

A letter was received from the War Office in reply to the Society's representations on this matter indicating that pharmacists serving in other units would be regarded as available to fill vacancies in the R.A.M.C. caused by the promotion for general duties of pharmacists serving as dispensers. This would remove an obstacle which had hitherto stood in the way of such promotion in certain cases.

## NEW BOOKS

**Aids to Forensic Pharmacy.**—Third Edition.—6½ in. by 4 in. Pp. 266. 4s. 6d. Baillière, Tindall & Cox, 8 Henrietta Street, London, W.C.2. As in previous editions, the book gives information not only on the forensic pharmacy required for the pharmaceutical qualifications but on other legal matters with which the pharmacist is daily confronted.

**Agenda del Químico.**—L. Bias, 6¾ in. by 4¾ in. Pp. 1,300. M. Aguilar, Calle Serrano, 22, Madrid. 200 pesetas (about £5). A comprehensive compilation of tables of physico-chemical constants, mathematical data and general technical chemical information for research workers, analysts, industrial and technical chemists, chemical manufacturers, students and other scientific workers. A work of this kind in Spanish is undoubtedly an event and in technical circles will attract great interest throughout the Spanish-speaking world. In the subject index there are some 250 entries. The general index covers sixteen pages. The publisher's summary claims that this one convenient volume, at less than one-third of the cost, provides the equal of a handbook on each of the following eleven subjects: Chemistry, industrial laboratory work, perfumery manufacture, oils and fats technology, organic solvents, chemical analyses, analytical equivalents, organic compounds arranged in the order of their melting-points (more than 3,500), laboratory calculations, mineralogy, logarithms. The fact that the book is in Spanish should not detract from its usefulness to English-speaking readers in this and other countries.

# CHEMOTHERAPY OF BACTERIAL INFECTIONS

A lecture on "Chemotherapy of Bacterial Infections" was given before a joint meeting of the Western London Pharmacists' Association and the National Association of Women Pharmacists on November 19. Mr. Dennis G. Ardley, M.P.S. (medical department, May & Baker Ltd.), Miss E. Roddick, chief pharmacist, Prince of Wales Hospital, Tottenham, presided. The main points of Mr. Ardley's address are given below.

## Advent of Sulphonamides

With the advent of the sulphonamides there became available for the first time chemicals which would diffuse throughout all body fluids and tissues, and exert a bacteriostatic action on certain pathogens in a concentration not injurious to the body and not inhibited by normal secretions. The next important advance was the introduction of a heterocyclic sulphonamide derivative formed by substitution in the amide part of the molecule, namely sulphapyridine. Sulphonamide derivatives of this type do not depend for their activity on the release of sulphonamide; their activity being an intrinsic property of the molecule.

## How They Act

A popular misconception persists that the sulphonamide compounds have a specific action on bacterial species. The action is mainly one of degree of activity of the compound and degree of susceptibility of the organism. Sulphapyridine is effective in pneumococcal infections because its sole concentrations in the body it is active on the invading organisms. In follows that sulphapyridine is more active than sulphonamide on haemolytic streptococci, but it does not follow that sulphapyridine is necessarily the agent of choice for use in the treatment of haemolytic streptococcal infections; other considerations are involved. Sulphonamides act by trapping down bacteriostasis of the invading organisms, enabling them to be dealt with by the natural defence mechanisms such as phagocytosis. They do not stimulate phagocytes or antibody production, and do not act as antiseptics. Sulphonamides bring about bacteriostasis by interfering with the nutrition of organisms. Their action is assumed to be the presence of  $p$ -amino

have little value in the actual treatment of wound sepsis by topical application. Other substances inhibit a bacteriostatic action including extracts of various bacteria and extracts of yeast. It has been found that the inhibitory substance is  $p$ -aminobenzoic acid, a substance that antagonises the action of sulphonamides both in vivo and in vitro. The discovery resulted in the theory that  $p$ -aminobenzoic acid is the substrate of an enzyme that is blocked by the sulphonamide drugs. One molecule of  $p$ -aminobenzoic acid may destroy the effect of about 25,000 molecules of sulphonamide acting on streptococci. With sulphapyridine this figure is about 1:5,000 and with sulphis trimide it would be still less. The amount of  $p$ -aminobenzoic acid required to antagonise the drug is therefore one means of estimating its activity, and the results obtained by this method agree well with direct determination of the concentration of drugs required to inhibit the growth of organisms. The work explains a number of previously made empirical observations.

## Clinical Applications

In the clinical application of sulphonamides certain fundamental principles have always to be followed. A concentration of the drug has to be secured in the peripheral blood, and hence in the infected tissues or organs that bring about bacteriostasis of the invading organism. Both a concentration has to be secured rapidly. This is most important because the invading organisms quickly learn how to overcome the chemical action of sulphonamides upon them. It follows that a high initial dose must be given to secure the requisite blood level, and smaller doses then administered at fairly frequent intervals to maintain that level fairly constant. Another important principle is to begin treatment at the earliest possible moment. During the course of sulphonamide therapy various untoward effects may be encountered. One of the earliest to be observed was cyanosis, which is less common with amide-substituted sulphonamide derivatives than with sulphonamide itself. Drug pyrexia is commonly encountered, as are drug rashes. Various disorders of the haemopoietic system may occur, including acute haemolytic anaemia, leucopenia and agranulocytosis, thrombocytopenia, etc. With the



as soluble sulfonamides such as sulfapyridine, sulfathiazole, and sulfathiazine crystals of the drug, or its acetyl derivative, may be deposited in the urinary tract, and the condition can only be prevented by maintaining a high fluid intake throughout administration and by careful observation of the patient. The rashes that occur during sulfonamide therapy can arise in four different ways. They may result from photosensitivity from sensitization to the drug, sensitization to bacterial toxins, and a direct toxic dermatosis. The majority of the eruptions met with during sulfonamide therapy, at least in this country, are of the drug-sensitization type. This acquired hypersensitivity, hypersensitization, or idiosyncrasy is a conditioned process which must be distinguished from true allergy. The acquired sensitization may fade fairly rapidly but usually persists. These reactions cannot be predicted from animal experiments, and however full the preliminary pharmacological investigation of a new sulfonamide may be it has to be set for a considerable time in clinical service before its safety can be assessed. The sulfonamides themselves are non-allergenic and can only act in this way as agents conjugate with a colloidal protein carrier. The number of persons being sensitized to sulfonamides is a disquieting rate of affairs that has hitherto received inadequate attention.

#### Penicillin and the Aromatic Diamidines

The two chief disadvantages of sulfonamides are their inactivation in the presence of pus and the reactions that may counter their employment. The introduction of effective chemotherapeutic agents free from these disadvantages would constitute an important advance. Various substances produced during the growth of certain bacteria, moulds and fungi are antibacterial, and one of these, penicillin, was discovered accidentally some years ago. This has been used by bacteriologists to eliminate the growth of unwanted organisms in culture media. The exact chemical nature of the active substance is unknown. It is highly improbable that penicillin, as at present prepared, will be produced in sufficient quantity for other than limited use. The compound also suffers from a number of disadvantages, such as instability and rapid elimination in the urine. Its importance lies in the fact that when the chemical structure of the active substance is ascertained it will suggest to the chemist new types of compounds for

synthesis in the laboratory, and it may be possible to prepare compounds having a penicillin-like activity without its disadvantages. Penicillin may be useful for topical application to wounds and burns, and it has the advantage over sulfonamides that its activity is not inhibited by pus. Another class of chemotherapeutic agent may be used for this purpose, namely the aromatic diamidines. Tripanosomes require glucose in their metabolism, and this led to the investigation for possible trypanocidal activity of decamethylene guanidine. The compound had been introduced for the treatment of diabetes, but it has no true insulin action, its effect on the blood sugar being due to a toxic action on the liver. Although the idea that led to its study was erroneous, nevertheless decamethylene guanidine did prove to be trypanocidal. This led to the investigation of allied compounds, and the study of aromatic compounds containing the amidine group was taken up. A long series of derivatives was prepared, some of which have been found to be effective chemotherapeutic agents for the treatment of various protozoal infections. 4,4'-diamidino stilbene is being used in the treatment of kala-azar, and 4,4'-diamidinophenyl picrate for the treatment of human trypanosomiasis. Various protozoal infections in domestic animals can be easily cured by compounds belonging to this group. Parallel with this investigation the aromatic diamidines were tested for possible antibacterial activity and a number of them were found to be bacteriostatic or bactericidal *in vitro*. Attempts to cure bacterial infections such as staphylococcal septicemias with intravenous injections of these compounds have not been successful, but promising results have been obtained by topical application in wound and burn sepsis. Their activity is not inhibited by  $\gamma$ -aminobenzoic acid or in the presence of pus.

#### Revolution in Medicine

As a result of the work of scientists of different countries we are witnessing revolutionary changes in the treatment of disease. Many familiar drugs will disappear and the products of factories and large research laboratories are taking the place of preparations compounded by the individual pharmacist. It is my suggestion that, as part of a short-term policy, pharmacists should acquaint themselves with changes in medical treatment so that they can discuss advances and give advice.

## TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

### 28 Essex Street, W.C.2, December 9

The past week has seen no departure from the quiet but steady conditions that have characterised the London drug and chemical markets during recent months. Prices appear to have acquired a remarkable degree of stability, and changes, when they occur, are usually of minor importance. Stocks of a number of items are becoming more depleted owing to lack of replenishments, but the general supply position remains reasonably good. No important price changes have been notified in the PHARMACEUTICAL CHEMICALS section. ASPIRIN has been in considerable demand. BENZOIC ACID is available for essential pharmaceutical and medicinal purposes. GALLIC ACID is at the advance noted last week. GUAIACOLS remain in fair supply at unchanged prices.

### Crude Drugs

These markets show little activity, apart from a small but steady request from the home consuming trades. Price changes are confined to small movements, but these are without significance. A good deal of interest has been taken in the lower grades of AGAR, but no stocks appear to be forthcoming. Curaçao ALOES has again been in fair inquiry, but the high price at present being quoted tends to discourage buyers. BALSAM PERU is quoted a few pence dearer. Limited supplies of BUCHU LEAVES are still available. Natural grades of CAMPHOR have sold slowly at unchanged prices. Demand for ERGOT has remained negligible. Quiet conditions obtain for GUM ACACIA; Kordofan cleaned is rather dearer on spot. IPECACUANHA is firm and in good inquiry. RHUBARB is selling quite well, but most holders are asking a few pence more for good-quality material. The position of SEEDS is unchanged. Any remaining stocks of SENEGA would probably fetch rather more than the figure quoted last week. SHELLAC has been quiet, following the formation of a distributing agency as announced last week.

### Essential Oils

The market for these products, though steady, has seen little activity during the week. Supplies of oils at present available

are modest. ANISE (STAR) has been in some inquiry and dealers' prices are unchanged. It may still be possible to obtain a little white CAMPHOR on spot, but the price would be considerable. Supplies of CANANGA remain restricted. English distillers' prices for CLOVE are unchanged. EUCALYPTUS is in short supply. All grades of PEPPERMINT are in good demand.

### Exchange Rates on London

No changes have occurred during the week in the Bank of England fixed rates for the principal currencies of the world. Among these are: New York, 4.03 dollars; Montreal, 4.45 dollars; Buenos Aires, 17.02 paper pesos; Dutch West Indies, 7.60 florins; Lisbon, 100 escudos; Stockholm, 16.90 kroner. The Chinese National dollar is worth  $3\frac{1}{2}$ d. and Madrid pesetas are at 40.50 to the £1.

### Pharmaceutical Chemicals

ASPIRIN.—Makers' prices steady at recent advance of twopence per lb.:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
From 1 lb. . .	4 3½	—	—	—	—
From 4 lb. . .	4 2½	4 0½	—	—	—
From 7 lb. . .	4 1½	3 11½	3 11½	—	—
From 14 lb. . .	4 0½	3 10½	3 10½	3 10	—
From 28 lb. . .	3 11½	3 9½	3 9½	3 9	3 8½
1 cwt. . .	3 4½	3 2½	3 2½	3 2*	3 1½
5 cwt. . .	3 4	3 2½	3 1½	3 1½*	3 1
10 cwt. . .	3 3	3 1½	3 0½	3 0½*	3 0

\* 8 × 14 lb. and upwards in one delivery, ½d. per lb. less. Sale subject to buyer's undertaking not to re-sell any quantity at prices or terms below scale for such quantity current at time re-sale is made, and, if powder is converted into tablets, not to sell any number at prices or terms below scale current at time of sale.

ASPIRIN TABLETS.—Makers' prices are unchanged: Under 5,000, 3s. 5d.; 5,000, 3s. 3d.; 10,000, 3s. 2d.; 25,000, 3s.; 50,000, 2s. 11d.; 100,000, 2s. 10d.; 250,000, 2s. 9½d.; 500,000, 2s. 9d.; 1,000,000, 2s. 8d.; 2,000,000, 2s. 7d. per 1,000.

ATROPINE.—Makers' prices per oz. are as follows: ALKALOID, B.P., 35s.; 4 oz., 34s. 6d.; 25 oz., 34s. SULPHATE, B.P., 28s.; 4 oz., 27s. 6d.; 25 oz., 27s. METHYL BROMIDE and METHYL NITRATE, both 65s.

BENZOIC ACID.—Supplies are available for essential pharmaceutical and medicinal purposes. Makers' prices are from 2s. 6d. to 3s. per lb., according to quantity.



OMIDES.—Makers' prices for one-cwt. lots TASSIUM are as follows (containers in brackets): 2s. 9½d. (28-lb.); 2s. 10d. (14-lb.); 2s. 10½d. (7-lb.); 2s. 10¾d. (4-lb.); 3s. 0½d. (1-lb.). SODIUM, one penny per lb. extra; AMMONIUM, pence per lb. extra.

RATES.—Makers' prices for POTASSIUM, in lots of 28 lb. to 1-cwt., are as follows (containers in brackets): 2s. 11d. (28-lb.); 1½d. (14-lb.); 2s. 11½d. (7-lb.); 3s. 0½d. (4-lb.); 3s. 2d. (1-lb.). SODIUM, B.P., one penny per lb. extra; AMMONIUM (SCALES), threepence per lb. above these prices.

CAINE.—Details of British makers' current sale prices were given last week (p. 589).

DEINE.—Makers' prices for 4-oz. quantities are as follows: ALKALOID, 38s. 3d. per oz.; PHATE, 31s. 3d. per oz.

LLIC ACID.—As noted last week prices have been advanced to about 7s. 9d. to 8s. per lb. for moderate quantities.

YCKERIN.—Prices for small quantities are as follows: 1-cwt. drum, 86s. per cwt.; 56-lb. tin, 94s.; 14-lb. tin, 100s. per cwt. discount of 2½ per cent., twenty-days.

INE PREPARATIONS.—Prices per lb. quoted by makers are as follows: POTASSIUM, B.P., 14s. 9s.; 28 lb., 9s. 6d.; 14 lb., 10s.; 7 lb., 11s.; 4 lb., 12s.; smaller quantities, 12s. 6d. per lb. B.P., 28 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 11s. 2d.; 4 lb., 12s. 10d.; smaller quantities, 13s. 8d. IODOFORM, B.P. (powder), 28 lb., 11s. 1d.; 14 lb., 13s.; 7 lb., 15s. 2d.; 4 lb., 16s.; smaller quantities, 16s. 10d.; (cryst.) 28 lb., 11s. 1d.; 14 lb., 15s.; 7 lb., 17s. 2d.; 4 lb., 18s.; smaller quantities, 18s. 10d. IODINE RESUB., B.P., 112 lb., 10s. 4d.; 28 lb., 10s. 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 1d.; 4 lb., 13s. 9d.; smaller quantities, 14s. 6d. All prices net. Any quantity delivered carriage paid throughout Britain.

MERCURY IODIDES.—Makers' prices per lb. are as follows: RED, less than 7 lb., 14s. 1d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. GREEN, less than 7 lb., 14s. 1d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. YELLOW, less than 7 lb., 14s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

THYL SALICYLATE.—No changes have been made. Five cwt., 1s. 11d. per lb.; one cwt., 1½d.; smaller lots, in bottles, 2s. 1½d. per lb.

ENOLPHTHALEIN.—Makers' current prices are as follows: BASE, 26s. 6d.; 4-oz. lots, are as follows: BASE, 26s. 6d.; HYDROCHLORIDE, 20s. 9d.; NITRATE, 20s. 9d.

OCARPINE.—Makers' prices per oz., in lots, are as follows: BASE, 26s. 6d.; HYDROCHLORIDE, 20s. 9d.; NITRATE, 18s.

POTASSIUM PERMANGANATE.—Makers' price for one-cwt. lots of B.P. grade remains at 10s. 1d. per lb.; three-cwt. quantities are at 10s. 1d. per lb. less.

CYCIC ACID (B.P.).—Details of makers' prices were given last week (p. 589).

SANTONIN.—No alteration in home-trade prices: 15 kilos and over, £46 10s.; not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s.; less than 5 kilos, £50 per kilo, delivered free in the U.K.; 1-kilo packages free.

STRYCHNINE \* SALTS.—As noted recently British makers' prices per oz. for home trade have been increased by 6d. Current prices are as follows:—

Compound	Under 100 oz.	100 oz. and under 500 oz.	500 oz. and over
Alkaloid, crystalline ..	s. d. 3 6	s. d. 3 4½	s. d. 3 3
Alkaloid, precipitated ..	3 6	3 4½	3 3
Acetate .. ..	3 8½	3 7	3 5½
Arsenate .. ..	3 7	3 5½	3 4
Arsenite .. ..	3 8½	3 7	3 5½
Bisulphate .. ..	2 10½	2 9	2 7½
Hydrochloride .. ..	3 3½	3 2	3 0½
Hypophosphite .. ..	6 0	5 10½	5 9
Nitrate, crystalline ..	3 3½	3 2	3 0½
Nitrate, powder .. ..	3 3½	3 2	3 0½
Nitrate, powder, No. 2 ..	2 9	2 7½	2 6
Phosphate .. ..	4 1½	4 0	3 10½
Sulphate, neutral, crystalline ..	3 0	2 10½	2 9
Sulphate, neutral, powder .. ..	3 0	2 10½	2 9
Sulphate, neutral, powder No. 2 .. ..	2 7	2 5½	2 4

25-oz. containers and outer cases free; smaller packages extra. Contracts may be booked for quantities of 100 oz. and over, with rise-and-fall clause, for a period of six months. Terms net thirty days. Wholesale distributors' prices for small quantities would be dearer.

TANNIC ACID.—Supplies are restricted at around 7s. 6d. per lb.

VANILLIN.—Makers' prices are steady, as follows: Ex clove oil or guaiacol, five cwt., 22s. 6d. per lb.; one cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d.; carriage paid in the United Kingdom.

### Crude Drugs

AGAR.—Rather more inquiry has been made for material for bacteriological use, which is steadily entering into consumption. Inquiries have also been received for qualities lower than Kobe No. 1, but these grades do not appear to be available.

ALOES.—Curaçao remains in fair inquiry, but no business seems to have resulted. Cape is quoted on spot at 65s. to 67s. 6d. per cwt., according to seller and quality.

ANTIMONY.—Prices and the supply position are unchanged: English, minimum 99 per cent. regulus, £120 per ton, delivered; 70 per cent. crude, for the home trade, £100 per ton, delivered.

BALSAMS.—Some softish *Tolu* may be had on spot at 9s. 9d. per lb.; *Canada*, in short supply, 8s. 9d. per lb.; *Peru*, inclined to be rather dearer at 8s. 6d.; *Copaiba*, B.P., unobtainable.

**BELLADONNA.**—Indian leaf, afloat, would be worth 4s. 9d. per lb. Root testing 0.52 per cent. alkaloids, 47os. per cwt. on spot.

**BENZOIN.**—In routine demand, with ordinary grade fetching £17 to £25 per cwt. on spot, according to holder and quality. Sumatra free "almonds" offered at £32 to £35 per cwt., and Siam at £45.

**BISMUTH METAL.**—No change has occurred in the price of high-grade metal at 6s. 3d. per lb. for minimum 5-cwt. lots.

**BUCHU.**—Limited supplies of fair green rounds may be had on spot at 6s. 3d. per lb. Some ovals may be available at 5s. 9d. per lb.

**CAMPHOR.**—Natural grades are unchanged, with business continuing slow. Prices are as follows: Chinese, B.P., spot, 11s. 6d. per lb.; crude (92 per cent.), 10s.; Japanese slabs, 12s. Supplies of English synthetic, B.P., are understood to be available to approved buyers at 7s. 6d. per lb.

**CARDAMOMS.**—Quiet and without quotable change on the week. Aleppy green, on spot, 5s. 6d. per lb.; shipment, 5s. 3d. per lb., c.i.f. Aleppy seed, on spot, 6s.; shipment, 5s. 9d., c.i.f. Spot value of split seed remains at 4s. 9d.

**CHILLIES.**—All varieties are unchanged. Zanzibar and Mombasa, spot, 125s. per cwt.; Sierra Leone, 12os., all sellers.

**CLOVES.**—Zanzibar, spot, 1s. 1d. per lb., value; Madagascar, unquoted.

**COCOA BUTTER.**—The maximum price under Ministry of Food Order is 1s. 5½d. per lb., ex factory or warehouse, except when sold under licence.

**COCONUT (DESICCATED).**—No change has taken place in the Ministry of Food controlled price of 49s. per cwt.

**DANDELION ROOT.**—Spot supplies of Indian root are restricted, and any remaining lots would fetch 14os. per cwt.

**DIGITALIS LEAVES.**—English leaves are unchanged at 2s. 4d. per lb. Portuguese, good-testing, on spot, 125s. per cwt.

**DRAGON'S BLOOD.**—Dull Zanzibar drop continues to be quoted at £21 per cwt., and seedy lump at £30. Stocks of re-boiled are exhausted.

**ERGOT.**—Demand remains negligible. Spot, old-crop, 5s. to 5s. 3d. per lb.; new-crop, 5s. 6d. to 5s. 9d.; shipment, Portuguese, 5s. per lb.; c.i.f.

**GALANGAL.**—Spot, from 9os. to 95s. per cwt., according to quantity.

**GINGER.**—Information regarding small allocations, together with suggested prices, were given last week (p. 590).

**GUM ACACIA.**—Conditions are quiet. Kor-dofan cleaned sorts, spot, dearer at 97s. 6d. per cwt.; afloat, unchanged at 9os., landed terms; shipment, 65s. per cwt., c.i.f. Some bleached may still be had by consuming manufacturers at 145s. per cwt., ex warehouse London.

**HENBANE.**—Indian, spot, just under B.P., 3s. 3d. per lb.; afloat, f.a.q., 275s. per cwt., c.i.f.

**HONEY.**—Current prices for first-hand wholesale transactions were given in the C. May 9, p. 527.

**IPECACUANHA.**—Rather more inquiry been received. Spot price of Matto ranges between 18s. 6d. and 19s. 6d. per lb. to test, with fair business reported doing good-testing root at 19s. Minas, B.P., 14 per lb.; just under B.P., 13s. 6d. to 13s. it may be possible to obtain lower-testing 13s. Current prices for EXT. IPECAC. LI. winchester quarts, are as follows: B.P., under three, 26s. per lb.; three and under 25s. 6d.; six and under twelve, 25s.; twelve over, 24s. 6d. per lb. B.P., 1914, under 24s. per lb.; three and under six, 23s. 6d. and under twelve, 23s.; twelve and 22s. 6d. per lb., all prices net.

**JABORANDI.**—Spot supplies are available at 6os. per cwt., ex store.

**JALAP.**—Current spot prices are as follows: Brazilian, 13 per cent., 95s. per cwt.; 1 cent., 105s.; 19.3 per cent., 13os. per cwt. warehouse Liverpool.

**LIQUORICE ROOT.**—East Indian quote spot at 7os. per cwt.

**KAMALA.**—Spot offers of 6 per cent. are between 2s. and 2s. 3d. per lb., according to holder.

**MENTHOL.**—In moderate demand this week. Some spot business is reported done in China at 73s. 6d. to 75s. per lb., but most holders asking the higher figure. Small lots of Japan, if available, would be worth 75s. per lb.

**MERCURY.**—Full particulars of current prices, which range from £68 10s. to £69 per bottle for quantities over 7 lb., were given in the C. & D., August 1, p. 131.

**MYRRH.**—Aden sorts, in fair demand, £18 per cwt. on spot.

**NUX VOMICA.**—Business is more or less fitted to filling small orders; prices are well change. Cochín, washed and garbled, 42s. 6d. to 45s. per cwt., according to seller.

**ORANGE PEEL.**—Thin-cut and quarters quoted on spot at 3s. 3d. per lb., but available supplies are small.

**PAPAIN.**—Nominal on spot at 16s. per lb.

**PEPPERS.**—Maximum official price of white Muntok, not picked over or cleaned 8d. per lb., in bond; whole black Lampung of similar grade, 5d. per lb., in bond.

**PIMENTO.**—No change in spot price of 2s. per lb., sellers; shipment prices are not quoted.

**PODOPHYLLUM.**—*Emodi* (15 per cent. base), spot, 82s. 6d. per cwt.; afloat, 65s. per cwt.,

**PSYLLUM SEED.**—Indian, on spot, unchanged at 1s. 3d. per lb.

**PYRETHRUM.**—Distribution and use are controlled under the Control of Pyrethrum (N. Order, 1942, particulars of which were given in the C. & D., October 31, p. 454).

**QUILLAIA BARK.**—Crushed or cut is quoted spot at 115s. per cwt.; natural, afloat, 8os.,



HUBARB.—In quite good demand. A few of good-grade rough-round may be available on spot at 7s. 6d. per lb., but most holders asking 7s. 9d. to 8s. A little Shensi may still be had on spot at from 9s. 6d. to 10s. per lb.

OPONIN.—Spot, 7s. 6d. per lb., ex store; pool; shipment, 6s. 6d. per lb., c.i.f.

RSAPARILLA.—A little more spot business missing in native red at 3s. 3d. to 3s. 4d. per lb.

EDS.—Little business is passing; prices unchanged. ANISEED.—No supplies.

ARY.—None available. CARAWAY.—No supplies.

CORIANDER.—Indian, 140s. per cwt.;

s; English, quoted at 220s. CUMIN.—

a, 160s.; Indian, 150s. DILL.—Spot,

ed at 190s. FENNEL.—Indian, 110s.,

e. FENUGREEK.—A few bags at 130s.

wt. MUSTARD.—A table of maximum prices

ained in the Mustard Seed (Control and

imum Prices) Order, 1942, was given in the

D., November 28, p. 564.

NEGA.—In greater inquiry. A parcel

ed at 8s. 1½d. per lb. is understood to have

leared, and any small lots still remaining

d probably be dearer.

NNA.—Little interest is being shown in

ommodity, and prices are unchanged. Good

-picked Tinnevely pods can be bought at

11d. to 1s. 2d. per lb.; ordinary grade

d be at 10d. to 11d.; and f.a.q., 6d. to 7½d.

-picked Alexandrian pods, from 3s. 6d.

per lb., according to quality. Leaves are

d at the following rates: Tinnevely No. 1,

10d. per lb.; No. 2, 7d. to 7½d.; No. 3,

to 6d.; Alexandrian, broken, 1s. 3d. to

1. per lb.

ELLAC.—Quiet, with values unchanged.

standard TN orange, 20s. per cwt., value;

button, unquoted; fine orange, 240s. to

per cwt., quoted. Formation of a dis-

-ting agency was announced last week

(p. 1).

PPERY ELM BARK.—Price to users of Lease-

material is 1s. 6d. per lb., ex store. Most

s understood to have been distributed.

HILL.—Indian is quoted on spot at 75s.

wt., and Portuguese at 85s.

OPHANTHUS.—Kombé seed, 100 per cent.,

not on spot at 10s. 9d. per lb.

AGACANTH.—Market quiet, with practically

changes in prices of the medium grades.

nt quotations are as follows: No. 1, white,

No. 2, white, £107; No. 3, white, £95;

, white, £77; pale leaf, £70; amber leaf,

red-and-brown leaf, £38; red leaf, from

woody and hoggly, from £17, ex store.

EMERIC.—Little business is passing; quota-

remain as last week (p. 591).

YERIAN ROOT.—Small supplies of Indian

on spot, 110s. per cwt., ex store.

YXES.—Quiet. BEES.—Supplies are ob-

le, but only by application through

ers of the Association of Merchant Dis-

ors of Beeswax. CARNAUBA.—Quiet

nions obtain; fatty grey, 480s. per cwt.;

grey, 465s.; Primeira, 560s.

## Essential and Expressed Oils

ANISE (STAR).—A few inquiries are being received for genuine Red Ship. Any spot supplies in dealers' hands would be worth from 54s. to 55s. per lb.

BAY.—Small supplies may be had on spot at from 12s. to 13s. per lb.

BERGAMOT.—Business in any remaining supplies of genuine oil would be negotiated on the basis of 100s. per lb. Artificial substitutes are available from British manufacturers at lower prices.

BOIS DE ROSE.—Spot value remains in the region of 42s. per lb.

CAJUPUT.—Spot oil would be worth between 15s. and 16s. per lb., according to quantity.

CAMPHOR (WHITE).—It may be possible to find an odd drum or two on spot at about 600s. per cwt.

CANANGA.—Supplies are restricted. Spot, from 60s. to 70s. per lb., according to quantity.

CASTOR.—Official prices: Firsts, £60; seconds, £58 per ton, both naked ex works.

CEDARWOOD.—Nominal at 6s. 6d. per lb., spot.

CINNAMON LEAF.—Moderate quantities on spot would be worth about 15s. to 15s. 6d. per lb.

CLOVE.—English distillers' prices are unchanged at about 14s. per lb.

COTTONSEED.—Price is controlled at £49 per ton, naked ex works.

EUCALYPTUS.—Supplies are not readily available, but price is unchanged at about 5s. 6d. to 5s. 9d. per lb.

GERANIUM.—About 80s. per lb. would be the basic price of any available supplies, but the precise figure would have to be negotiated.

GINGERGRASS.—Obtainable on spot at approximately 25s. per lb.

GROUNDNUT.—Officially quoted at £48 to £54 per ton, naked ex works, according to grade.

PALMAROSA.—Spot price would be in the region of 32s. 6d. per lb.

PENNYROYAL.—Spot value of any good-quality oil would be in the region of 35s. per lb.

PEPPERMINT.—All grades are in good demand. A few odd cases of Chinese may be available on spot at 92s. per lb., and some Japanese, for January delivery, at 92s. 6d. It is understood that supplies of American oil will be imported under the Lease-Lend arrangement, but so far there is no indication as to how distribution will be carried out.

PETITGRAIN.—Any available small spot supplies would fetch from 22s. 6d. to 24s. per lb.

ROSEMARY.—Spot price would be about 16s. per lb.

SASSAFRAS.—Spot supplies may be had at from 18s. to 19s. per lb., according to quantity.

THYME.—High-quality oil is unchanged on spot at 25s. per lb., but other grades would be cheaper.

## CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

### Dance of the (Dispensing) Hours

SIR,—In your editorial "Dance of the (Dispensing) Hours" (*C. & D.*, December 5, p. 582) you have omitted one important point which the chemists of Bath put forward in their request for earlier closing hours—that of economy in lighting and heating. In addition to the request by the local branch of the National Pharmaceutical Union for earlier closing hours, I sent a previous request in respect of my own pharmacy. I pointed out that the number of National Health Insurance scripts I received during the hour 6–7 p.m. was less than one per evening, and that, even so, the medicine was frequently collected next day. I also stated that I dispensed urgent N.H.I. scripts at any hour, day or night, so that there was no question of the dispensing service suffering. In view of these facts I considered I was wasting light and fuel during this hour. The local Insurance Committee refused to allow any deviation from the normal closing hour, notwithstanding that many Insurance Committees throughout the country have agreed to such early closing. When a member of the Committee mentioned that, if my request were not allowed, I should report it to the Minister of Fuel, a lay member rejoined "Good fellow." However, I have not reported it to the Ministry, as I realise that to do so would have been too late to effect any economy, because the local Insurance Committee only meets quarterly.

Yours faithfully,

Bath.

A. H. HALE.

### Questions and Answers on the Pharmaceutical Corps

SIR,—The very large number of letters which Mr. Hayward and I have received from colleagues all over the country is most gratifying, but may I clear up a few points which some of the letters raise, in the hope that any of your readers interested will find the answers helpful. First.—Is it intended to make the Corps a national one? The answer is, most definitely, "Yes." For obvious difficulties of organisation it is, impossible for either Mr. Hayward or myself to organise local detachments throughout the country. To do that local pharmacists

are asked to help. Second.—Has the Corps had official recognition from Government departments concerned? The answer "Not yet, but negotiations now take place are not without promise." Third.—Some pharmacists consider it is a loss of status asking medical practitioners to refer to them on anatomy and physiology; first aid because the doctors are under the impression that we already have this knowledge, or that on the other hand we run the risk of trespassing on the functions usually associated with the doctor. The answer to the first part is this: If the doctors are under this impression it is dishonest to allow it to continue. Secondly, first aid has absolutely nothing to do with medical practice. Medical doctors in fact know very little about first aid. Lastly, to all those pharmacists who have already joined the Corps: Training arrangements are well in hand and we hope to commence early next month. The impression that the formation of the Corps is a little late in the day is not without some foundation, but the essential fact is this: That if the Corps goes on into next year (and the year after) we are not too late by any means. In fact there is every possibility that the Corps will be able to render very useful service not only to the country but to pharmacy. The Corps represents the best answer to the complaint that pharmacists are getting very poor recognition in the civil defence organisations. In this as in almost everything else appertaining to pharmacy, "the fault dear Brutus, is not in our stars, but in ourselves, that we are underlings."

Yours faithfully,

Edgware.

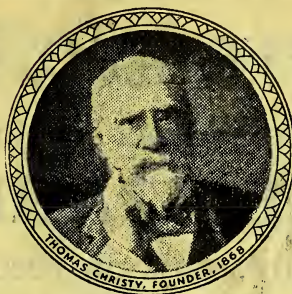
J. ROSS MANSELL

### Appreciations

Your own very informative leader (*C. & D.* September 26, p. 324) on the receipt collection led me to send out a card like the enclosed to every pharmacy in the area covered by the Branch, asking for co-operation both from members and from the public. . . . I am sending this information to you as a matter of interest, as I am sure you will be glad to learn that the *C. & D.* has once again been of real service, and not only in the individual sense.—E. J.

[The card gives information about when to collect, where to send, and rates of payment for the hips.]





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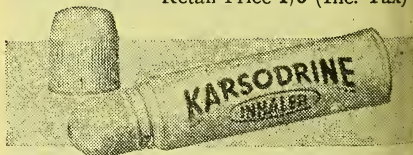
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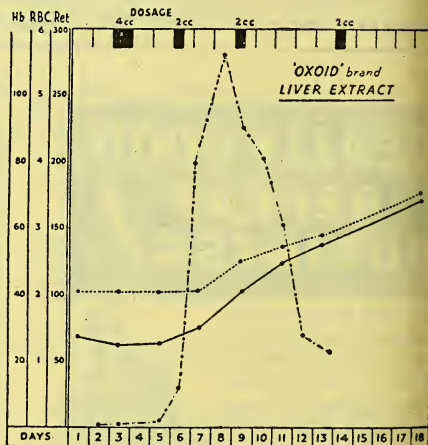
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#### KEY TO GRAPH.

- ..... Haemoglobin per cent.
- Red blood corpuscles in millions.
- Reticulocytes per 100 red cells.

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# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of the Chemist & Druggist

DECEMBER 12  
1942

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County Hall, Chelmsford.  
7th December, 1942.

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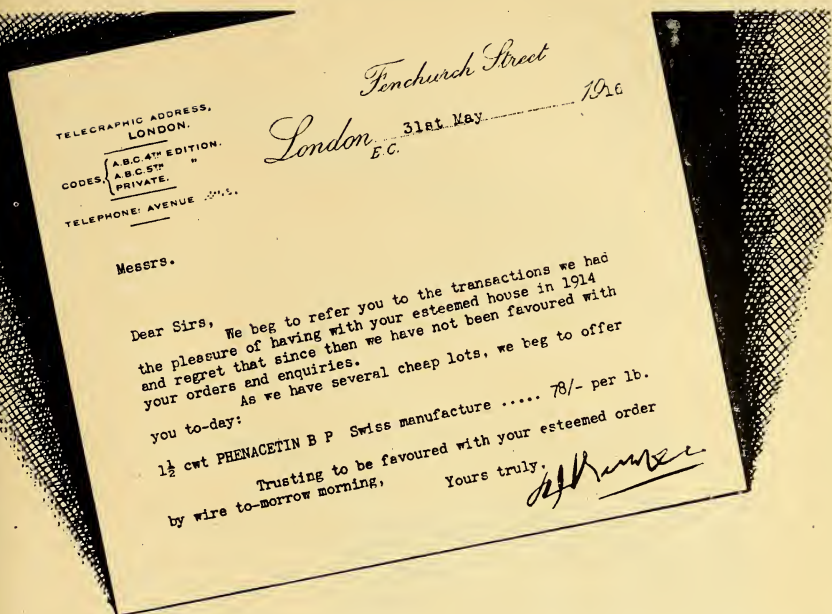
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14 { One of our friends turning out some salvage the other day  
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